

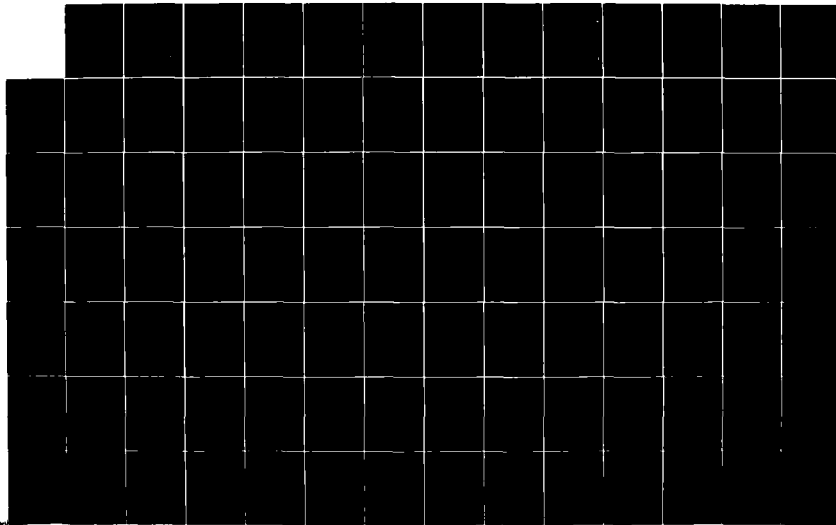
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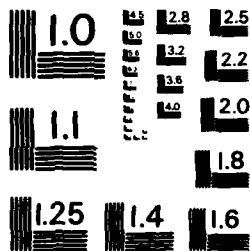
FORT WAINWRIGHT WAINWRIGHT AAF ALASKA LIMITED SURFACE
OBSERVATIONS CLIMAT... (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... 13 OCT 83
USAFETAC/DS-83/044 SBI-AD-E850 487 F/G 4/2

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**DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)**

**"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"**

FT WAINWRIGHT AFS AK
N 64 50 W 147 37

ELEV 100 FT

MSC #702615
FBK

PARTS A-F

HOURS SUMMARIZED:

0500 - 2100 LMT

PERIOD OF RECORD:

HOURLY OBSERVATIONS: FEB 77 - MAY 83

SUMMARY OF DAY DATA: NONE

TIME CONVERSION GMT TO LST: -10

OCT 13 1983

DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited

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USAFETAC/DS-83/044

HUEP50 487

SCOTT AFB, IL 82226

17 OCT 1983

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM												
1. REPORT NUMBER USAFETAC/DS- 83/044	2. GOVT ACCESSION NO. ADA137574	3. RECIPIENT'S CATALOG NUMBER												
4. TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCs) - FORT WAINWRIGHT, WAINWRIGHT AAF, ALASKA		5. TYPE OF REPORT & PERIOD COVERED Final Rept												
7. AUTHOR		6. PERFORMING ORG. REPORT NUMBER												
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)												
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/TS Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS												
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 13 OCT 83												
		13. NUMBER OF PAGES 320												
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)														
18. SUPPLEMENTARY NOTES Limited-duty weather observation site.														
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*LISOCs</td> <td>Climatology</td> <td>Weather conditions</td> </tr> <tr> <td>*RUSSWO</td> <td>Surface winds</td> <td>Relative humidity</td> </tr> <tr> <td>*Climatological data</td> <td>Sea-level pressure</td> <td>Station pressure</td> </tr> <tr> <td>Psychrometric summary</td> <td>Atmospheric pressure</td> <td>Ceiling versus Visibility</td> </tr> </table>			*LISOCs	Climatology	Weather conditions	*RUSSWO	Surface winds	Relative humidity	*Climatological data	Sea-level pressure	Station pressure	Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility
*LISOCs	Climatology	Weather conditions												
*RUSSWO	Surface winds	Relative humidity												
*Climatological data	Sea-level pressure	Station pressure												
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility												
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for FORT WAINWRIGHT, WAINWRIGHT AAF, ALASKA														

DD FORM 1473
1 JAN 73

EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* ALASKA
* WAINWRIGHT AAF

*FORT WAINWRIGHT
USAK702615

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.



Accession For	
NTIS	<input checked="" type="checkbox"/>
DTIC	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

NOTES

1. In order to provide you with as much data as possible, we "blocked" the data to reflect normal operating hours 0500 LST to 2100 LST. Therefore, in all summaries using the standard eight 3-hour time groups, the 03-05 and 21-23 time groups contain serious data shortages by at least two-thirds.
2. Dew Point Temperatures were not transmitted when the dry bulb temperatures was below -35°F . As a result, during the colder months, the Mean Dew Point and Wet Bulb Temperatures are actually lower than indicated (e. g. see RUSSWO Section E, Means and Standard Deviation Summaries for Time Group 06-08 LST). Therefore, these temperatures during the colder months must be used with caution!

USAFETAC

LIMITED SURFACE OBSERVATIONS

CLIMATIC SUMMARIES (LISOCs)

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at established hourly intervals.

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCs and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCs:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT
DATA AVAILABLE*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER

*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

MAX HIGH AND MIN LOW TEMPERATURES

PSYCHROMETRIC: DRY VS WET BULB

MEAN AND STD DEV. (DRY BULB, WET BULB,
AND DEW POINT TEMPERATURES)

RELATIVE HUMIDITY

PART F: STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 local standard time (LST).

STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
702615	FAIRBANKS ALASKA/ Ft Wainwright AAF	N 64 50	W 147 37	448	FBK	70262

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1	Fairbanks Alaska - Ladd Fld	AAF	Feb 42	Feb 45	N 64 51	W 147 37	462	464	24
2	No change	AAF	Mar 45	May 46	N 64 50	W 147 36	460	463	24
3	No change	AAF	Jun 46	Jul 48	No chge	No chge	458	464	24
4	Fairbanks Alaska - Ladd AFB	AFB	Jul 48	Oct 56	No chge	No chge	No chge	No chge	24
5	No change	AFB	Nov 56	Oct 60	N 64 51	W 147 35	460	484	24
6	Fairbanks Alaska-Fort Wainwright	AAF	Oct 60	Jun 83	N 64 50	W 147 37	448	452	17

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Feb 42 to Feb 53	Not Available	Selsyn	NJ-144B	N/A	
2	Mar 53 to Feb 57	Located on top of Vanger # 1	No chge	No chge	70 ft	
3	Mar 57 to Apr 59	Located on top of observation site	NJ-144C-1	No chge	50 ft	
4	May 59 to Oct 60	Located between runways approx. 2500 ft from E end of runways.	NJ-144C-1	HO-2	13 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	May 80 to Jun 83	Same	ANQ-20	RD 362	13 Ft	

10-6-80, 10-6-80

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-83
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02												
	03-05			.7	15.8		15.8	15.1		1.3		16.4	152
	06-08			.2	16.9		16.9	17.5		.6		18.1	515
	09-11		.2		13.6		13.8	19.0		.4		19.4	516
	12-14		.2	.4	13.6		13.8	15.3				15.3	516
	15-17				16.1		16.1	16.5		.2		16.7	514
	18-20				15.7		15.7	16.5		.6		17.1	508
	21-23				14.1		14.1	17.8				17.8	135
TOTALS			.1	.2	15.1		15.2	16.8		.4		17.3	2856

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

752615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02												
	03-05		.7	.7	17.4		18.8	15.2				15.2	138
	06-08		.4	.2	15.7		16.2	17.2				17.2	517
	09-11			.6	14.4		15.0	16.7				16.7	520
	12-14		.2	.8	12.6		13.4	9.0				9.0	522
	15-17			.4	12.8		13.2	7.6				7.6	514
	18-20		.2		15.6		15.8	11.3				11.3	505
	21-23		.7		15.3		16.0	15.3				15.3	144
TOTALS			.3	.4	14.8		15.5	13.2				13.2	2860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02												
	03-05				11.3		11.3	2.0		.7		2.7	150
	06-08				12.1		12.1	2.6	.3	.2		2.8	613
	09-11		.2	.2	11.8		12.0	1.6	1.1	.3		3.1	617
	12-14				8.4		8.4	.6	.8			1.5	616
	15-17				7.8		7.8	1.1	1.0			2.1	615
	18-20		.3	.2	7.1		7.6	1.5	.2			1.7	604
	21-23		.6		9.8		10.4	1.2				1.2	173
TOTALS			.2	.1	9.8		9.9	1.5	.5	.2		2.2	3388

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05		2.1		4.2		6.2	1.4				1.4	144
	06-08		2.6		8.9		11.0	1.9				1.9	583
	09-11		2.6		7.2		9.8	1.2				1.2	584
	12-14		3.2		5.5		8.7	.7				.7	585
	15-17		3.4		4.1		7.5			.2		.2	585
	18-20		2.8		3.3		5.9	.2				.2	574
	21-23		1.5		6.1		7.6						132
TOTALS			2.6		5.6		8.1	.8		.0		.8	3187

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02												
	03-05		5.6		1.0		6.6	2.0				2.0	198
	06-08		3.7		2.0		5.7	1.3	.5			1.7	596
	09-11		4.5		1.2		5.7	.3	1.2			1.5	597
	12-14	.2	4.2		.5	.3	4.7		.7			.7	595
	15-17	.3	5.1				5.1						592
	18-20	.2	5.9		.5		6.1	.5	.7		.2	1.4	592
	21-23												
TOTALS		.1	4.8		.9	.1	5.7	.7	.5		.0	1.2	3170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02												
	03-05		14.9				14.9	4.2				4.2	168
	06-08		17.4				17.4	3.4	2.2			5.3	506
	09-11	.2	15.6				15.6	1.8	2.4			4.1	507
	12-14	.4	9.9				9.9	1.8	2.4			4.0	506
	15-17	1.2	9.3				9.3	.4	1.4			1.6	505
	18-20	.4	9.5				9.5		.4			.4	504
	21-23												
TOTALS		.4	12.8				12.8	1.9	1.5			3.3	2696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02												
	03-05		13.8				13.8	8.8				9.8	160
	06-08		14.6				14.6	6.8				6.8	486
	09-11	.2	11.9				11.9	3.1				3.1	489
	12-14	1.6	13.3				13.3	1.4				1.4	488
	15-17	2.5	14.2				14.2	.4				.4	486
	18-20	1.2	13.0				13.0				.2	.2	486
	21-23												1
TOTALS		.8	11.5				11.5	2.9			.0	3.0	2596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05		9.8				9.8	9.8	.6			9.8	173
	06-08		11.0				11.0	8.7	.6			8.7	520
	09-11		12.3				12.3	4.0	.6			4.4	522
	12-14	.2	9.0				9.0	.6	.8			1.3	522
	15-17	.8	8.5				8.5	.2	1.2			1.3	519
	18-20	.6	8.5				8.5	1.7	1.4			3.1	518
	21-23												
TOTALS		.3	9.9				9.9	4.2	.9			4.8	2774

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02												
	03-05		13.0		1.9		14.9	13.7				13.7	161
	06-08		14.3		3.7		17.4	12.6				12.6	484
	09-11		11.2		2.3		13.4	6.2				6.2	484
	12-14		11.0		1.9		12.8	1.4				1.4	483
	15-17	.2	10.4		.4		10.8	.8				.8	483
	18-20		14.3		2.7		16.1	.8				.8	483
	21-23												1
TOTALS		.0	10.6		1.8		12.2	5.1				5.1	2579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-82
YEARS

CCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05		1.8	.6	25.7		27.5	4.8				4.8	167
	06-08		2.5		22.4		24.7	9.0	.4			9.0	510
	09-11		3.9		24.1		27.6	9.0	.6			9.0	510
	12-14		2.2		19.2		21.0	6.9				6.9	510
	15-17		1.8		18.4		20.2	7.3				7.3	510
	18-20		1.4	.2	21.4		22.9	5.9		.2		6.1	510
	21-23		4.5		9.1		13.6	18.2				18.2	22
TOTALS			2.6	.1	20.0		22.5	8.7	.1	.0		8.8	2739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02												
	03-05		1.5		23.3		24.1	2.3				2.3	133
	06-08		1.3		25.9		26.1	4.2	.4			4.7	471
	09-11		.8		26.6		27.4	6.3				6.3	474
	12-14		1.1		25.3		26.4	4.9				4.9	474
	15-17		.4		23.8		24.3	5.7				5.7	474
	18-20		1.3		27.3		28.4	5.3				5.3	472
	21-23		.8	.8	26.0		27.5	4.6				4.6	131
TOTALS			1.0	.1	25.5		26.3	4.8	.1			4.8	2629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												
	03-05				33.0		33.0	20.9		.9		21.7	115
	06-08			.4	27.2		27.6	21.2		.6		21.8	500
	09-11			.2	21.0		21.2	24.8		.4		25.1	501
	12-14				22.2		22.2	25.1		.4		25.5	499
	15-17				24.3		24.3	29.4		.6		29.6	494
	18-20				30.5		30.5	26.0		.5		26.4	416
	21-23				35.3		35.3	16.7				16.7	102
TOTALS				.1	27.6		27.7	23.4		.5		23.8	2627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702615 FT WAINWRIGHT AAF AK
STATION

77-83

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		.1	.2	15.1		15.2	16.8		.4		17.3	2856
FEB			.3	.4	14.8		15.5	13.2				13.2	2860
MAR			.2	.1	9.8		9.9	1.5	.5	.2		2.2	3388
APR			2.6		5.6		8.1	.8		.0		.8	3187
MAY		.1	4.8		.9	.1	5.7	.7	.5		.0	1.2	3170
JUN		.4	12.8				12.8	1.9	1.5			3.3	2696
JUL		.8	11.5				11.5	2.9			.0	3.0	2596
AUG		.3	9.9				9.9	4.2	.9			4.8	2774
SEP		.0	10.6		1.8		12.2	5.1				5.1	2579
OCT			2.6	.1	20.0		22.5	8.7	.1	.0		8.8	2739
NOV			1.0	.1	25.5		26.3	4.8	.1			4.8	2629
DEC				.1	27.6		27.7	23.4		.5		23.8	2627
TOTALS		.1	4.7	.1	10.1	.0	14.8	7.0	.3	.1	.0	7.4	34101

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

DATA NOT AVAILABLE

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 78-83 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0300-0500 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	2.7		.7									2.6	4.5
ENE	.7	1.3	1.3									3.3	5.2
E	3.3	3.3	3.3									9.9	4.8
ESE	.7	.7	1.3									2.6	7.0
SE		1.3										1.3	5.0
SSE	.7											.7	3.0
S													
SSW	.7											.7	2.0
SW	.7											.7	3.0
WSW													
W													
WNW			.7	.7								1.3	10.0
NW													
NNW													
VARBL													
CALM												77.0	
	9.6	6.6	7.2	.7								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 152

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2615 STATION FT WAINWRIGHT AAF AK 7°-E3 YEARS JAN MONTH 0500-2000 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.6	1.7
NNE	.4	.6										1.0	3.2
NE	.8	1.2										1.9	3.5
ENE	1.7	1.6	.8									4.1	4.2
E	3.3	1.4	2.1	.8	.2							7.8	5.9
ESE	.4	.4	.8	1.0								2.5	8.3
SE	.6			.2								.4	5.5
SSE	.2											.2	3.0
S	.8											.3	2.5
SSW	.2	.2	.2									.6	5.0
SW	.5											.6	2.3
WSW	.2											.2	3.0
W	.4											.4	2.5
WNW	.8	.2	.2	.4								1.6	5.8
NW	.4	.2										.6	3.3
NNW													
VARBL													
CALM												76.5	
	11.3	5.6	4.1	2.3	.2							100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 515

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK STATION NAME 78-83 YEARS JAS MONTH 0900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6											.6	1.7
NNE	1.0											1.0	1.8
NE	.8	.4										1.2	3.3
ENE	1.4	1.0	.8									3.1	4.5
E	2.1	2.5	2.9	.6								8.2	6.0
ESE	1.0	.2	.2	.8								2.1	6.7
SE		.2	.2									.4	6.5
SSE	1.0											1.0	2.0
S	.4											.4	1.5
SSW	.8											.8	1.5
SW			.8									.8	8.5
WSW	.2	.2		.2								.6	6.0
W	.6											.6	2.0
WNW	.2	.4		.6								1.2	8.0
NW													
NNW	.2	.4										.6	3.0
VARBL													
CALM												77.7	
	10.1	5.2	4.9	2.1								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 515

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	1.6
NNE	.8	.2										1.0	2.4
NE	1.0	.2	.4									1.6	3.6
ENE	2.3	.8	.2									3.3	3.5
E	1.9	2.7	3.3	.8								8.7	6.2
ESE	.8		.4									1.2	4.2
SE	.4											.4	2.0
SSE													
S	.4	.2										.6	3.0
SSW	.6	.2	.2									1.0	3.4
SW	.6											.6	1.3
WSW	.6	.2	.2									1.2	4.0
W	1.2		.4									1.6	3.9
WNW	1.2		.8									1.9	4.7
NW	1.0	.2										1.2	2.3
NNW	.4											.4	1.5
VARBL													
CALM												74.6	
	14.1	4.7	5.8	.8								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS

516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2										1.0	2.2
NNE	1.7											1.7	2.0
NE	1.0	.6	.2									1.8	3.3
ENE	1.2	.8	1.4									3.3	5.4
E	2.1	3.3	1.9	.2								7.6	5.4
ESE	.6	.4	.6									1.6	5.6
SE	.4											.4	1.0
SSE	.4	.2										.6	3.3
S	1.0											1.0	2.8
SSW	.4											.4	1.5
SW	.4											.4	2.0
WSW	.6	.4										1.0	2.6
W	1.2	.4	.6									2.1	4.7
WNW	1.4	.4	.6									2.3	4.2
NW	.2											.2	2.0
NNW													
VARBL													
CALM												75.5	
	12.5	6.6	5.3	.2								100.3	1.1

TOTAL NUMBER OF OBSERVATIONS

514

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-83
YEARS

JAN
MONTH

ALL WEATHER

CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	1.7
NNE	1.0											1.0	2.4
NE	.4			.2								.6	4.7
ENE	1.6	.6	.6									2.8	4.3
E	1.4	3.1	2.8	.4								7.7	6.2
ESE	1.0	.4	.6	.6	.2							2.8	7.3
SE	1.0	.2	.2									1.4	3.7
SSE	.4											.4	2.5
S	.4											.4	1.5
SSW	.4											.4	2.0
SW	.4											.4	2.0
WSW	.8	.4										1.2	2.7
W	1.0	1.2	.2	.2								2.6	4.5
WNW	1.4	.4	.2	.4								2.4	4.8
NW	.4			.2								.6	5.0
NNW	.2											.2	1.0
VARBL													
CALM												74.8	
	12.2	6.3	4.5	2.0	.2							100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

506

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK 70-83 YEARS JAN MONTH
2100-2300 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7											.7	1.0
NE	.7		.7									1.5	6.0
ENE	.7											.7	3.0
E	2.2	3.0	2.2	1.5								8.9	7.2
ESE	.7	.7	1.5		.7							3.7	9.2
SE													
SSE													
S	.7											.7	3.0
SSW		.7										.7	4.0
SW													
WSW	1.5											1.5	3.0
W				.7								.7	12.0
WNW	.7	.7		.7								2.2	6.7
NW													
NNW													
VARBL													
CALM												77.8	
	8.9	5.2	4.4	3.0	.7							100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK 78-83 YEARS JAN MONTH
ALL WEATHER CLASS ALL HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.0										.7	1.8
NNE	.8	.1										.9	2.3
NE	.8	.4	.2	.0								1.5	3.8
ENE	1.5	.9	.7									3.2	4.4
E	2.2	2.7	2.6	.6	.0							8.1	6.0
ESE	.7	.3	.6	.4	.1							2.1	7.0
SE	.4	.1	.1	.0								.7	4.1
SSE	.4	.0										.4	2.6
S	.6	.0										.6	2.5
SSW	.5	.1	.1									.6	2.8
SW	.4	.1	.1									.5	3.7
WSW	.5	.2	.0	.0								.8	3.5
W	.8	.3	.2	.1								1.3	4.3
WNW	.9	.3	.4	.3								1.9	5.4
NW	.4	.1		.0								.5	3.2
NNW	.1	.1										.2	2.2
VARBL													
CALM												76.3	
	11.7	5.7	5.0	1.5	.1							100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 2855

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 77-83 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLAS HOUR (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2											2.2	1.3
NNE	.7											.7	3.0
NE	.7											.7	2.0
ENE	2.2	2.2	2.2									6.5	4.9
E	1.4	4.3	2.9									8.7	5.7
ESE	.7			.7								1.4	7.5
SE													
SSE													
S	.7											.7	3.0
SSW													
SW			.7									.7	9.0
WSW	.7											.7	3.0
W	1.4											1.4	2.0
WNW	.7			.7								1.4	7.0
NW		.7	.7									1.4	6.5
NNW													
VARBL													
CALM												73.2	
	11.6	7.2	6.5	1.4								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 136

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 77-83
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
FEB
DOGS
0600-2000
DOGS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.8											.8	1.6
NNE	1.2											1.2	1.7
NE	.6		.2									.8	3.5
ENE	2.9	2.3	2.5									7.7	4.9
E	3.3	3.1	2.1	.2								9.7	5.1
ESE	2.1	.6		.4								3.1	3.6
SE	1.2											1.2	2.2
SSE	.2											.2	1.0
S	.6											.6	2.3
SSW	.6	.6										1.2	2.8
SW	.2	.2										.4	4.0
WSW	.8	.2	.2									1.2	4.2
W	.4	.4	.6	.4								1.7	7.2
WNW		.2	.6	.4								1.2	9.3
NW	.2											.2	1.0
NNW	.2											.2	3.0
VARBL													
CALM												69.8	
	15.1	7.5	6.2	1.4								100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 517

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

FFB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.4										1.3	3.0
NNE	.9	.4										1.2	3.3
NE	.6	1.3	.4	.2								2.5	5.2
ENE	2.5	2.0	2.7									8.1	5.1
E	3.9	2.1	1.7	.4								8.1	4.6
ESE	1.3	.6										1.9	2.6
SE	.4		.2	.2								.8	5.5
SSE	.4											.4	1.5
S	1.0	.2										1.2	2.2
SSW	1.3	.2										2.1	1.9
SW	.2											.2	1.0
WSW	.8	.4	.2									1.3	4.0
W	.6	.2	1.3									2.1	6.5
WNW	1.2	.2	.2									1.5	2.9
NW													
NNW	.4	.2										.6	3.0
VARBL													
CALM												66.7	
	16.7	9.0	6.7	.8								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2										1.1	1.8
NNE	.8											.8	2.3
NE	1.0	.8	.6									2.3	4.8
ENE	1.9	3.3	2.1	.2								7.5	5.3
E	1.5	3.4	1.9	.4								7.3	5.5
ESE	1.1	.2	.6									1.9	4.1
SE	.4		.6									1.0	4.8
SSE		.2										.2	6.0
S	.4	.2	.4									1.0	5.2
SSW	2.7		.2									2.9	2.5
SW	1.0	.2										1.1	2.0
WSW	1.0	1.1	.2	.4								2.7	5.1
W	2.7	.2	.2	.2								3.3	3.1
WNW	2.1	.4	1.1	.4								4.0	4.9
NW	1.1											1.1	1.8
NNW	.2											.2	2.0
VARBL													
CALM												61.7	
	18.8	10.2	7.9	1.5								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

522

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

FFO
MONTHS

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6											1.6	1.9
NNE	.2	.4										.6	3.3
NE	1.8	.6	.4	.2								2.9	4.4
ENE	1.8	2.3	1.8	.8								6.6	5.8
E	2.5	2.7	1.8	.8								7.8	5.5
ESE	1.4	1.2	.4									2.9	4.1
SE	.4											.4	1.5
SSE	.2	.2										.4	3.5
S	1.2	.2										1.4	2.3
SSW	1.6											1.6	2.0
SW	.8	.2										1.0	2.8
WSW	1.7	.4	.2	.2								1.8	5.1
W	1.8	.2	.6									2.5	3.9
WNW	1.9	.4	.6	.4								3.3	4.6
NW	.4											.4	2.5
NNW	.4											.4	2.0
VARBL													
CALM												64.6	
	18.7	8.8	5.6	2.3								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

514

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION 702615 FT WAINWRIGHT AAF AK STATION NAME 77-83 YEARS FEB MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4											1.4	2.1
NNE	.6	.2	.2									1.0	3.8
NE	1.0	.8	.6									2.4	4.3
ENE	2.4	3.8	2.2	.6								8.9	5.8
E	2.8	4.8	2.0	.4								9.9	5.4
ESE	.4	.4		.2								1.0	5.0
SE			.2									.2	10.0
SSE	.2											.2	2.0
S	.6											.6	2.0
SSW	1.2											1.2	2.2
SW	.2											.2	3.0
WSW	.8	.6	.2									1.6	3.8
W	.4	.6	.6									1.6	5.6
WNW	1.4	.4	.4	.2								2.4	4.0
NW	.2			.2								.4	6.5
NNW	.2											.2	2.0
VARBL													
CALM												66.9	
	13.7	11.5	6.3	1.6								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 505

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK STATION NAME 77.79-83 YEARS FEB MONTH 2100-2300 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4											1.4	2.0
NNE													
NE	2.1	.7										2.8	3.3
ENE	.7	2.1	2.1	.7								5.6	6.3
E	5.6	4.2	2.1									11.9	4.5
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW	.7											.7	2.0
W		1.4										1.4	5.5
WNW	1.4			1.4								2.8	7.0
NW													
NNW													
VARBL													
CALM												73.6	
	11.8	8.3	4.2	2.1								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 144

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7:2615

FT WAINWRIGHT AFB AK

77-83

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.1										1.2	2.1
NNE	.7	.2	.0									.9	2.8
NE	1.7	.7	.4	.1								2.1	4.5
ENE	2.2	2.9	2.2	.3								7.6	5.4
E	2.9	3.3	2.0	.4								8.5	5.2
ESE	1.2	.5	.2	.1								2.0	3.9
SE	.4		.2	.0								.6	4.0
SSE	.2	.1										.2	2.7
S	.7	.1	.1									.9	2.8
SSW	1.4	.1	.0									1.6	2.3
SW	.4	.1	.0									.6	2.9
WSW	.8	.5	.2	.1								1.6	4.5
W	1.1	.3	.6	.1								2.2	4.9
WNW	1.3	.3	.5	.3								2.4	5.1
NW	.3	.2	.0	.0								.5	3.3
NNW	.2	.0										.3	2.5
VARBL													
CALM												6.7	
	15.1	9.2	6.4	1.5								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

2860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

772615 STATION FT WAINWRIGHT AAF AK 77-78,80-83 YEARS MAP NORTH
0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.3											1.3	2.0
NE	2.7	1.3										4.0	3.5
ENE	3.3	4.7	2.7									10.7	4.7
E	2.0	5.3	3.3	1.3								12.0	5.9
ESE	1.3											1.3	2.5
SE				.7								.7	12.0
SSE	.7		.7									1.3	5.5
S	.7											.7	3.0
SSW													
SW	.7											.7	2.0
WSW		.7	1.3									2.0	7.7
W	1.3	.7	.7									2.7	5.0
WNW													
NW	.7											.7	1.0
NNW													
VARBL													
CALM												62.0	
	14.7	12.7	8.7	2.0								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 150

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT VAINWRIGHT AAF AK 77-83 YEARS
STATION NAME
ALL WEATHER CLASS
CONDITION
MAC
ROUTE
0600-0800
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.3										1.5	2.5
NNE	2.1	.2										2.3	2.7
NE	2.0	1.1	.3									3.4	3.9
ENE	3.3	5.1	2.0									10.3	4.7
E	4.1	3.0	1.8	.7								10.0	4.5
ESE	2.3	.5	.2									2.9	2.8
SE	.9											.8	1.6
SSE	.5	.7										1.1	3.4
S	.5											.5	2.0
SSW	1.8	.2										2.0	2.6
SW	.8	.5	.3									1.6	4.0
WSW	.5	.2	.7									1.3	5.3
W	.3	.3	.5	.2								1.3	6.9
WNW	.5	.5	.2									1.1	3.4
NW	1.3	.3										1.6	2.5
NNW	.5	.2										.7	2.3
VARBL													
CALM												7.4	
	22.5	13.0	5.9	.3								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2515 FT WAINWRIGHT AAF AK

77-83

MAC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLAR

6900-1100

MOUSE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.2	.2									1.6	3.2
NNE	.5	.3	.2									1.0	4.0
NE	1.0	1.0	1.8	.2								4.7	5.9
NNE	1.9	5.2	2.3	1.1								10.4	5.7
E	3.1	4.2	3.1	1.5								11.9	5.9
ESE	.7	.5										1.1	3.3
SE	.3	.2										1.0	2.0
SSE	.5	.2										.7	3.0
S	.5	.3										1.1	3.6
SSW	1.1	.5										1.6	3.1
SW	.3	.5	.3									1.1	5.4
WSW	1.0	1.0	.5									2.4	4.3
W	2.4	.3	.8	.5								4.1	5.2
WNW	3.4	.3										3.7	2.3
NW	2.0		.2									2.1	2.9
NNW	2.3	.3										2.6	2.3
VARBL													
CALM												48.8	
	22.9	15.8	9.3	3.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

712615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAP
MONTH

ALL WEATHER

CLASS

1200-1400
SOURCE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.0	.3	.2									1.1	3.9
NNE	.2	.3	.6									1.1	7.4
NE	1.1	1.0	1.6	.5								4.2	6.5
ENE	1.9	4.1	2.4	2.1	.2							10.6	7.3
E	2.8	4.5	2.6	1.3								11.2	5.9
ESE	.6	1.3	1.0									2.9	5.4
SE	.5	.3	.3									1.1	4.7
SSE	.9	.3										1.1	3.3
S	1.7	.3										1.6	2.3
SSW	2.4	.5	.3									3.2	3.2
SW	1.5	.3										1.8	2.5
WSW	3.7	1.9	1.0	.2								6.8	4.0
W	7.0	3.1	1.1	.5								11.7	3.9
WNW	4.5	.6	.3									5.5	2.6
NW	1.1	.5	.3	.2								2.1	4.6
NNW	1.3	.3	.3	.2								2.1	4.2
VARBL												31.7	
CALM													
	31.3	19.8	12.2	4.9	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 616

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7C2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.3	.2	.2								1.8	3.6
NNE	.3	.3	.5									1.1	5.3
NE	1.1	1.3	3.6	.7	.2	.2						7.0	8.2
ENE	2.3	2.6	3.4	2.3	.5							11.1	7.6
E	2.0	3.1	2.1									7.2	5.4
ESE	1.3	2.0	.5	.2								3.9	5.2
SE	.7	.5	.2									1.3	3.8
SSE	1.0	.7										1.6	3.3
S	1.8	.3										2.1	2.6
SSW	2.0	.8										2.8	2.9
SW	2.1	.5	.5									3.1	3.7
WSW	2.9	2.9	2.0	.5								8.3	5.0
W	3.7	1.8	2.4	.2								8.1	5.1
WNW	5.0	1.7	.2									6.2	2.7
NW	.7	.7	.2									1.5	4.2
NNW		.2	.3									.5	6.3
VARBL													
CALM												72.5	
	28.0	18.9	15.9	3.9	.7	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAD
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5										.3	3.8
NNE	.3	.2	.2									.7	3.8
NE	1.3	2.0	2.5	.3								6.1	6.4
ENE	2.2	7.1	3.8	2.3								15.4	6.7
E	4.3	6.1	1.7	.2								12.3	4.6
ESE	1.3	.5	.2									2.0	3.6
SE	1.0											1.0	2.2
SSE	.3											.8	1.6
S	.5											.5	2.0
SSW	1.7	.3	.2									2.2	3.7
SW	1.3	.5	.3									2.2	4.2
WSW	1.0	2.3	.2									3.5	4.2
W	1.0	1.5	.8									3.3	4.9
WNW	3.0	1.3	1.0									5.3	4.1
NW	.2	.3										.5	4.7
NNW	.5	.2										.7	3.3
VARBL													
CALM												42.9	
	20.7	22.8	10.8	2.8								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 604

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-79-83
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.2	.6	.6									2.3	4.8
NE		2.9	1.2									4.0	5.9
ENE	2.9	5.2	3.5	1.7								13.3	5.9
E	3.5	8.1	3.5									15.0	5.1
ESE		.6	.6									1.2	7.0
SE													
SSE													
S													
SSW	1.2	.6										1.7	3.0
SW		1.2										1.2	5.0
WSW	.6		.6									1.2	5.5
W	1.7	1.7	1.2									4.6	4.6
WNW	2.3	1.7	.6									4.6	4.0
NW													
NNW		1.2										1.2	5.0
VARBL													
CALM												49.7	
	13.3	23.7	11.6	1.7								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 171

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAD
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3	.1	.0								1.3	3.3
NNE	.7	.3	.3									1.3	4.3
NE	1.3	1.5	1.8	.3	.0	.0						5.0	6.3
ENE	2.3	4.0	2.8	1.5	.1							11.6	6.3
E	3.2	4.6	2.4	.6								10.8	5.3
ESE	1.2	.9	.4	.0								2.5	4.3
SE	.7	.2	.1	.0								1.0	3.3
SSE	.7	.3	.0									1.0	3.2
S	.9	.2										1.1	2.6
SSW	1.7	.4	.1									2.2	3.1
SW	1.1	.5	.3									1.9	3.9
WSW	1.7	1.5	.9	.1								4.2	4.6
W	2.9	1.4	1.1	.2								5.5	4.7
WNW	3.1	.9	.3									4.2	3.0
NW	1.0	.3	.1	.0								1.4	3.6
NNW	.8	.3	.1	.0								1.2	3.4
VARBL													
CALM												43.9	
	24.0	18.3	10.8	2.9	.1	.0						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

3386

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702515 STATION FT WAINWRIGHT AAF AK STATION NAME 77-63 YEARS APP MONTH 0300-0500 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4										1.4	4.5
NNE	.7	1.4										2.1	3.7
NE	2.1	.7										2.8	2.8
ENE	4.9	6.9	1.4									13.2	4.3
E	7.6	9.0	2.8									19.4	4.3
ESE	.7	2.8	.7									4.2	4.7
SE	2.1											2.1	2.7
SSE													
S		.7										.7	5.0
SSW	.7											.7	2.0
SW	.7	.7										1.4	3.5
WSW	1.4	1.4										2.8	3.5
W	.7	1.4	2.8									4.9	6.1
WNW	1.4											1.4	2.0
NW													
NNW													
VARBL													
CALM												43.1	
	22.9	26.4	7.6									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 144

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION FT WAINWRIGHT AAF AK STATION NAME 77-83 YEARS 485 MONTHS
ALL WEATHER CLASS 6600-2600 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5										1.5	2.9
NNE	2.4	.9										3.3	2.7
NE	2.4	.9	.3									3.6	3.1
ENE	5.3	3.6	2.9	.5								12.3	4.9
E	6.2	7.9	4.6	.3								19.3	5.0
ESE	2.1	.9										2.9	2.8
SE	.9		.2	.2								1.2	4.7
SSE	.2	.2										.3	2.5
S		.2										.2	4.0
SSW	.9	.2	.2									1.2	3.3
SW	.7	.7										1.4	3.8
WSW	.9	1.5	1.5	.2								4.1	6.2
W	1.4	1.0	.9	.2	.2							3.6	5.8
WNW	1.2		.2									1.4	2.8
NW													
NNW	.2	.2	.2	.2								.7	6.5
VARBL													
CALM												43.2	
	25.6	18.5	11.0	1.5	.2							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 583

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615 FT WAINWRIGHT AAF AK

77-83

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1977-1983

NUMBER OF YEARS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	.9	.3										1.2	3.1
NNE	1.4	.7										2.1	2.8
NE	.3	1.2	.3	.2								3.1	6.1
ENE	.9	2.2	2.7	1.0								6.3	7.2
E	3.4	5.3	4.3	1.5	.2							14.7	6.1
ESE	1.7	1.2	1.7									4.6	5.1
SE	.9	.9	.3									2.1	4.4
SSE	.7	.3	.2									1.2	4.2
S	1.4	1.4										2.7	3.3
SSW	1.9	1.2	.2									3.3	3.7
SW	1.2	1.3	.3	.2								2.7	5.0
WSW	2.2	1.5	1.5									5.3	4.8
W	3.1	2.1	1.4	1.2	.5							8.2	6.5
WNW	2.7	1.7	.9									4.6	4.0
NW	.7											.7	2.3
NNW	.3	.2										.5	2.7
VARBL													
CALM												37.2	
	23.6	20.5	13.9	4.1	.7							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2615 STATION 77-63 APP DATE 1200-1400
FT WAINWRIGHT AAF AK YEARS MONTHS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.2	.2								1.4	5.5
NNE	.2	1.0	.3									1.7	5.2
NE	.2	1.5	.6	.3								2.9	6.6
ENE	.7	2.4	1.7	1.0								5.9	7.3
E	1.3	2.4	3.9	1.2								8.5	7.3
ESE	1.4	1.4	1.4	.2								4.3	5.4
SE	.5	1.4	.7	.3								2.9	5.7
SSE	.7	1.4	.9									2.9	5.4
S	1.7	2.2	.9	.2								5.0	4.8
SSW	1.9	1.7	.5									4.1	4.1
SW	2.2	1.4	.5									4.1	4.1
WSW	4.5	3.9	1.5	1.2								11.3	5.0
W	4.8	5.1	2.2	.9	.2							13.2	5.1
WNW	3.2	1.7	.9	.5	.2	.2						6.7	5.5
NW	.5	.3	1.6									1.9	5.8
NNW	.3	.3	.3	.2								1.2	5.6
VARBL													
CALM												22.6	
	24.6	28.4	17.8	6.2	.3	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 585

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-26-15 STATION FT WAINWRIGHT AAF AK STATION NAME 77-63 YEARS AP- NORTH
ALL WEATHER CLASS 1945-1988 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.5	.7	.5									1.2
NNE	.7	.5	.7									1.2
NE	.5	.9	1.2	1.0	.2							2.2
ENE	.2	2.1	4.8	2.1	.2							9.2
E	.3	2.7	2.9	.7								5.7
ESE	.9	1.7	.7	.2								3.4
SE	.3	.7										1.0
SSE	.7	.5	.3									1.2
S	.9	.7	.5									2.1
SSW	1.4	2.6	1.0	.2								5.1
SW	2.7	2.1	1.4	.3								6.5
WSW	3.5	3.9	4.3	.9								12.6
W	3.9	4.3	4.8	1.2	.2	.2						14.4
WNW	2.6	2.1	1.9	.5								7.5
NW	.7	.5	1.0	.2								2.4
NNW	.3	1.0	.3									1.7
VARBL												
CALM												
	20.0	26.8	26.3	7.2	.5	.2						100

TOTAL NUMBER OF OBSERVATIONS 5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION 77-B3 YEARS 1900-2000
FT WAINWRIGHT AAF AK STATION NAME ALL WEATHER CLASS 1900-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	.3									3.3	4.2
NNE	1.2	1.4	.3	.2								3.1	4.7
NE	.9	1.6	2.4	.7								5.6	7.1
ENE	2.4	5.9	6.6	1.0								16.3	6.6
E	2.4	4.2	1.8	.7								9.2	5.7
ESE	.8	.7										1.6	3.1
SE	.2	.2										.3	3.5
SSE	1.2											1.0	2.5
S	.7		.2									.2	4.4
SSW	1.6	1.7	.2									2.4	3.6
SW	1.2	1.6	.5	.2								3.3	4.7
WSW	3.3	4.5	2.4									9.2	5.1
W	3.1	3.1	2.4	.2								7.8	5.7
WNW	2.6	2.3	1.6	.5								7.0	5.1
NW	.2	.5	.5									1.2	6.0
NNW	.9	.9	.5									2.3	4.7
VARBL													
CALM												25.3	
	22.0	29.7	20.0	3.5								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 574

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2515 STATION FT WAINWRIGHT AAF AK 77.79-82 YEARS APR MONTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.0
NNE	.3											.3	2.0
NE	2.3	1.5	.8	.8								5.3	5.6
ENE	2.3	10.6	3.0	1.5								17.4	6.5
E	4.5	7.6	1.5									13.6	4.8
ESE	.6	.8										1.4	3.0
SE	.8											.8	1.2
SSE													
S													
SSW	.8	1.5										2.3	4.0
SW	2.3	.8	.8									3.9	3.8
WSW	.8	3.0	.8									4.6	5.0
W	.8	2.3										3.1	4.0
WNW	3.0	.8										3.8	3.0
NW	.8		.8									1.6	4.5
NNW	1.0											1.5	2.0
VARBL													
CALM												79.4	
	22.0	23.8	7.6	2.3								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 132

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

APF
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.6	.2	.0								1.7	4.1
NNE	1.2	.9	.3	.0								2.3	3.9
NE	1.0	1.2	1.0	.4	.7							3.0	6.3
ENE	2.0	3.7	3.6	1.1	.7							15.5	6.6
E	3.7	4.8	3.4	.8	.6							12.1	5.8
ESE	1.3	1.2	.7	.1								3.3	4.6
SE	.6	.6	.2	.1								1.5	4.6
SSE	.6	.4	.3									1.3	4.4
S	.8	.8	.3	.0								2.0	4.4
SSW	1.4	1.3	.4	.0								3.1	4.2
SW	1.5	1.3	.5	.1								3.5	4.5
WSW	2.6	3.0	2.1	.4								8.1	5.4
W	2.8	3.0	2.3	.7	.2	.0						9.3	5.9
WNW	2.4	1.3	1.0	.3	.0	.0						5.1	4.9
NW	.4	.3	.5	.0								1.2	5.3
NNW	.4	.5	.3	.1								1.2	4.9
VARBL													
CALM												70.5	
	23.1	24.9	16.9	4.2	.3	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

3187

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72615
STATION

FT MAINRIGHT AAF AK
STATION NAME

77-63
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.5	.5									3.2	3.0
NNE	2.5	1.0										3.5	2.6
NE	2.5	.5	.5									3.5	3.6
ENE	7.1	4.0	1.5									12.6	3.6
E	14.1	11.6	2.0									27.8	3.6
ESE	2.5											2.5	2.8
SE													
SSE			.5									.5	7.0
S		.5										.5	4.0
SSW													
SW	1.0	.5	1.0									2.5	5.6
WSW		1.5	1.0									2.5	6.8
W	.5	1.0	.5									2.5	5.0
WNW	.5		.5									1.0	5.0
NW													
NNW	.5											.5	3.0
VARBL													
CALM												37.4	
	33.3	21.2	8.1									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

108

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEAR

MAY
MONTH

ALL WEATHER
CLASS

0600-0600
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5										1.7	3.5
NNE	.8	.3	.3									1.5	4.0
NE	1.0	.8	2.0	.3								4.2	6.4
ENE	4.5	4.0	2.7	1.0								13.1	5.4
E	6.4	7.2	5.0	.3								22.0	4.8
ESE	2.0	.8	.3	.3								4.4	4.0
SE	1.3	.7	.3									2.3	4.0
SSE	.7	.5										1.2	3.3
S	1.0	.2										1.2	2.6
SSW	.5	.2										.7	3.0
SW		.7	.2									.8	6.4
WSW	1.2	2.0	1.3									5.4	4.8
W	1.0	1.5	1.5	.3		.2						4.5	7.0
WNW	.5	.5	.2									1.2	4.4
NW		.2	.2									.3	6.5
NNW	.7	.5										1.2	3.7
VARIABLE													
CALM												34.4	
	26.7	22.3	14.1	2.3		.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-63
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	1.2									2.7	6.0
NNE	1.2	.8	.2	.3								2.2	5.1
NE	.8	1.3	1.2	.2								3.5	6.2
ENE	.7	2.7	2.2	1.2								6.3	7.4
E	1.7	3.9	4.5	.8								10.9	6.8
ESE	1.3	2.3	2.3	1.0	.2							7.2	6.8
SE	.8	1.0	.5	.2								2.5	5.3
SSE	1.3	1.8	.7	.2								4.0	4.9
S	2.0	.7	.3									3.2	3.5
SSW	1.3	1.5	.3									3.2	4.2
SW	.8	.2	.3	.2								1.5	5.7
WSW	1.0	2.5	3.5	.7								7.7	7.1
W	2.3	2.2	5.0	1.0	.2							10.7	7.2
WNW	1.7	2.3	1.3		.3							5.7	5.6
NW	1.0	.3	.3									1.7	4.6
NNW	1.2	.3	.5									2.0	4.1
VARBL													
CALM												25.1	
	20.1	24.0	24.5	5.7	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7:2615 FT WAINWRIGHT AAF AK 77-83 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400

CLASS HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.0	.2								3.5	6.1
NNE	.8	1.0	1.2	.8								3.9	7.1
NE	.2	1.3	2.2	1.0								4.7	8.1
ENE	1.2	1.7	2.4	.8								6.1	6.9
E	1.7	2.2	3.5	1.0								8.4	6.8
ESE	.5	2.2	1.8	.4	.2							5.4	6.8
SE	.2	1.3	1.3	.3								3.2	6.9
SSE	1.3	1.7	.8	.5								4.4	5.7
S	.7	1.3	1.3	.2								3.5	6.1
SSW	2.2	2.9	1.7	.2								6.9	5.2
SW	.2	1.7	.8	.2								2.9	6.1
WSW	1.5	3.9	3.0	1.7								10.1	7.1
W	3.0	4.5	5.0	1.7								14.3	6.7
WNW	2.2	3.5	1.0		.2							6.9	5.0
NW	.5	1.5	.5	.2								2.7	5.6
NNW	1.0	1.5	.7		.2							3.4	5.6
VARBL													
CALM												9.9	
	18.2	33.9	28.4	9.1	.5							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72615 STATION FT WAINWRIGHT AAF AK 77-83 YEARS MAY MONTH
1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	1.2									4.2	5.0
NNE	.5	1.0	1.0	.8								3.4	7.7
NE	.7	1.7	2.4	2.0	.5							7.3	9.5
ENE	1.5	2.0	5.2	2.7								10.8	8.1
E	.3	2.0	3.4	1.5								7.3	8.4
ESE	.8	1.5	2.2	.3								4.9	6.9
SE	.5	.7	.7	.3								2.2	7.2
SSE	.3	1.0	.5	.2								2.0	6.1
S	.8	1.4	1.2									3.4	5.4
SSW	.5	1.4	1.5	.5								3.9	6.8
SW	.3	1.4	1.0	.7								3.4	7.1
WSW	.2	3.4	3.2	1.7	.2							8.6	8.1
W	1.9	6.2	3.9	1.9	.5							14.4	7.4
WNW	1.5	4.1	3.4	.2								9.1	6.1
NW	.7	1.2	.3									2.2	4.9
NNW	1.0	1.2	1.9									4.1	5.8
VARBL													
CALM												9.0	
	13.2	31.6	32.9	12.2	1.2							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 592

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK 77-83 YEARS MAY MONTH
1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	1.4									5.1	4.9
NNE	1.7	1.9	.3	.2								4.2	4.2
NE	.3	2.2	4.9	2.4	.2							10.5	8.6
ENE	1.7	2.5	5.7	1.9								11.8	7.6
E	1.2	3.4	3.0	1.5								9.1	7.3
ESE	.3	1.5	1.5	.2								3.5	6.4
SE	.3	.3	.3									.6	5.4
SSE	.2	.7										.8	3.8
S	.5	1.0	.8									2.4	5.7
SSW	.3	1.2	1.2	.2								2.9	6.6
SW	.5	1.7	1.0	.2								3.4	6.0
WSW	1.5	2.2	2.0	.7	.2							6.6	6.6
W	1.7	3.7	5.6	1.9	.2							13.0	7.5
WNW	1.4	3.2	2.4	.7	.2							7.8	6.7
NW	.8	1.7	1.0									3.5	5.2
NNW	.3	2.4	.9									4.1	5.2
VARBL													
CALM												10.5	
	15.4	31.8	32.1	9.6	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 592

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

722615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.9	.0								3.4	5.1
NNE	1.1	1.0	.6	.4								3.1	5.6
NE	.8	1.4	2.4	1.1	.1							5.9	6.0
ENE	2.2	2.7	3.5	1.3								9.7	6.7
E	3.6	4.2	3.8	1.0								12.5	6.0
ESE	1.3	1.6	1.5	.4	.1							4.9	6.2
SE	.6	.8	.6	.2								2.1	5.9
SSE	.7	1.1	.4	.2								2.4	5.2
S	.9	.9	.7	.0								2.6	5.0
SSW	.9	1.3	.9	.2								3.3	5.5
SW	.4	1.1	.7	.2								2.4	6.3
WSW	1.0	2.9	2.5	.9	.1							7.4	6.9
W	1.9	3.5	4.0	1.3	.2	.0						10.8	7.2
WNW	1.4	2.6	1.6	.2	.1							5.8	5.8
NW	.6	.9	.4	.0								2.0	5.2
NNW	.9	1.1	.7		.0							2.8	5.1
VARBL													
CALM												19.0	
	19.6	28.2	25.2	7.3	.6	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

3170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

772615 FT WAINWRIGHT AAF AK 77-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 0700-0500
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.6										2.4	3.3
NNE	.6											.6	3.0
NE	2.4	.6										3.0	2.4
ENE	5.4	2.4	1.8									9.5	3.8
E	14.9	6.5	2.4									23.8	3.6
ESE	5.5	1.2	.6									8.3	2.9
SE	1.2	.6										1.8	2.7
SSE	.6											.6	2.0
S	1.8	1.2										3.0	3.0
SSW	1.2	1.8										3.0	4.6
SW	1.2	4.2	.6									6.0	4.8
WSW	2.4	1.2	1.2	.6								5.4	6.1
W	.6	.6	1.2									2.4	6.3
WNW	1.2	.6		.6								2.4	5.8
NW	.6											.6	3.0
NNW													
VARBL													
CALM												27.4	
	42.3	21.4	7.7	1.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 168

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702515 FT WAINWRIGHT AAF AK 77-82
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0600
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	1.4	.4	.4									2.2
NNE	.9		.4									1.2
NE	2.0	.6										2.8
ENE	2.8	1.8	1.2									5.7
E	8.5	6.7	1.6	.2								17.2
ESE	5.1	2.0	.4									7.5
SE	1.8	.9	.4									3.0
SSE	2.6	1.2	.2									4.0
S	3.2	.4										3.6
SSW	1.4	.2	.2									2.6
SW	1.2	3.9	1.0									5.9
WSW	.3	2.8	2.8	.6	.6							7.5
W	3.0	2.6	2.8	.6								9.9
WNW	1.6	.8	.4	.2	.2							3.2
NW	.4	.2										.6
NNW	.2	.4										.6
VARBL												
CALM												24.1
	36.6	25.1	11.7	1.8	.2							100.0

TOTAL NUMBER OF OBSERVATIONS 576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 702615 FT WAINWRIGHT AAF AK STATION NAME 77-62 YEARS MONTH 000-1100
CLASS ALL WEATHER HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4										1.2	3.9
NNE	1.4	.2	.4									2.0	3.6
NE	.6	.4	.2									1.2	4.2
ENE	1.5	1.0	.8	.2								3.7	4.6
E	1.5	2.6	.6	.4								5.1	5.3
ESE	1.5	2.0	1.0									4.5	4.6
SE	.3	.8	1.0									2.6	5.0
SSE	.9	1.9	.2									2.3	4.5
S	2.4	3.2	.9									6.7	4.1
SSW	2.0	2.4	1.8									6.1	4.8
SW	.9	2.1	2.2	.4								5.3	6.0
WSW	2.8	4.7	3.0	.6	.4							11.4	6.0
W	4.1	5.5	5.3	2.6	.2							17.8	6.7
WNW	3.6	2.8	1.0	.2								7.5	4.3
NW	.2	.6		.2								1.0	6.0
NNW	.5	1.2										2.0	3.5
VARBL													
CALM												18.5	
	25.8	32.3	18.1	4.5	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 507

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2615 STATION FT WAINWRIGHT AAF AK 77-52 MONTH JULY
STATION NAME YEARS
ALL WEATHER CLASS 1000-1400 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.0	.2	.4								3.8	4.2
NNE		1.0	.6									1.6	6.5
NE	1.0	.2	.8	.2								2.2	5.6
ENE	.4	1.4	.8									2.6	5.0
E	1.8	2.8	1.6	.4								6.5	5.5
ESE	1.8	1.2	1.4									4.3	5.3
SE	1.0	.2	.4									1.6	4.3
SSE	1.2	.8	1.2									3.2	4.8
S	2.0	2.8	.6									5.3	4.6
SSW	2.2	3.4	2.2	.2								7.0	5.3
SW	2.0	3.2	2.4	.4								7.2	5.9
WSW	3.6	4.0	4.0	1.8								13.2	6.5
W	2.8	5.9	6.7	2.8	.2							16.4	7.3
WNW	2.8	4.0	2.4	.8								9.9	5.5
NW	.8	1.0	1.2									3.0	5.7
NNW	.8	.8	.8									2.4	5.4
VARBL													
CALM												6.3	
	26.1	33.4	27.1	6.9	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 226

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 DE 15 STATION FT WAINWRIGHT AAF AK 77-80 YEARS MONTH JJA
ALL WEATHER CLASS 1800-1700 HOURS (LST)
CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	.3	.2								1.1	1.9
NNE	.4	.6	.8									1.0	5.2
NL	.7	.4	1.0									1.1	7.1
ENE	.7	1.4	1.4	.6								4.2	6.8
E	1.4	2.4	1.2									5.1	5.3
ESE	.8	1.4	1.4	.7								4.1	6.1
SE	.4	.6	.8									1.1	6.3
SSE	.7	1.3	.6									3.2	4.8
S	1.7	2.7	1.7									4.8	5.1
SSW	1.3	1.8	1.2	.4								3.1	6.1
SW	1.4	7.7	1.0	.5								5.3	5.3
WSW	1.4	3.6	3.4	5.0								1.3	7.1
W	7.4	6.6	13.9	3.6								24.1	7.7
WNW	3.2	3.4	2.4	.6								6.5	6.3
NW	1.2	1.4	.6	.4								3.1	5.6
NNW	.2	1.4	.6	.2								2.1	5.1
VARBL													
CALM												5.1	
	21.2	36.0	29.1	8.3								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

25

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION FT HAINWRIGHT AAF AK YEARS 77-82 MONTH JUN
CLASS ALL WEATHER HOURS (LST) 1200-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2										3.4	3.8
NNE	1.5	1.4										3.0	3.4
NE	2.2	1.4	.8	.2								4.6	4.3
ENE	1.4	.6	1.4									3.4	5.0
E	2.2	.6	1.2	.4								4.2	2.3
ESE	2.2	1.6	.6									4.4	3.7
SE	.6	1.6										1.0	3.5
SSE	.2	.6	.2									1.0	4.4
S	2.5	2.4	.2									5.2	3.4
SSW	2.4	1.6	.8									5.2	4.2
SW	.4	2.4	1.2	.4								4.4	6.0
WSW	4.7	5.9	4.4	1.4								15.5	5.9
W	2.2	4.4	7.2	2.0								15.5	7.2
WNW	2.5	4.6	4.2	.8								12.1	6.0
NW	.8	.8	1.4	.2								3.2	6.1
NNW	1.2	2.2	1.2	.2								4.4	5.3
VARBL													
CALM												9.1	
	27.6	33.2	24.5	5.6								10.2	4.9

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L E T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.7	.1								3.2	4.2
NNE	.3	.9	.4									2.1	4.4
NE	1.3	.6	.5	.1								2.4	4.4
ENE	1.7	1.3	1.2	.1								4.3	4.9
E	3.3	3.2	1.3	.3								8.6	4.5
ESE	2.6	1.6	.9	.0								5.2	4.2
SE	.4	.7	.5									2.1	4.3
SSE	1.1	1.2	.4									2.7	4.3
S	2.3	2.1	.5									4.9	4.0
SSW	2.0	2.0	1.2	.1								5.2	4.8
SW	1.2	2.9	1.5	.3								5.6	5.5
WSW	2.5	4.0	3.3	1.2	.2							11.2	6.5
W	2.9	4.8	6.2	2.2	.1							16.1	7.0
WNW	2.6	2.9	1.9	.5	.0							6.1	5.4
NW	.7	.7	.6	.1								2.2	5.6
NNW	.6	1.2	.4	.1								2.2	5.1
VARBL													
CALM												13.9	
	22.2	31.4	21.2	5.2	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

2695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-26-15 STATION FT WAINWRIGHT AFB AK 77-82 YEARS MONTH JUL
STATION NAME STATION NAME CLASS ALL WEATHER HOURS (LST) 0700-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.6											.6
NNE	1.3											1.3
NE	1.9	.6										2.5
ENE	3.3	1.3	.6									5.6
E	18.1	7.5	1.3									26.9
ESE	8.1	1.3	.6									10.0
SE	1.3		.6									1.9
SSE	.6	.6	.6									1.9
S	1.9											1.9
SSW	5.6	1.3	.6									7.5
SW	2.5	.6	.6									3.3
WSW	1.3	3.1	3.1									7.5
W		.6	1.9	.6								3.1
WNW	1.9	.6										2.5
NW												
NNW												
VARBL												
CALM												23.1
	43.8	17.5	10.0	.6								100.0

TOTAL NUMBER OF OBSERVATIONS 160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2515 FT WAINWRIGHT AAF AK 77-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0600-0800
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.0	.2										2.1	2.6
NE	1.0											1.0	2.3
NNE	3.7	1.2	.2									5.1	3.0
E	13.0	7.6	1.6	.2								22.4	3.5
ESE	5.9	1.6	.2									7.6	2.7
SE	1.2	1.2										2.5	3.5
SSE	3.1	1.0										4.1	2.5
S	.1	1.6										3.7	3.3
SSW	1.6	.8	.2									2.7	3.3
SW	1.2	1.0	.4									2.7	4.1
WSW	3.1	2.7	1.9									7.6	4.5
W	1.6	1.4	3.7	.8								7.6	6.9
WNW	.6	.2	.2									1.2	3.5
NW	.6	.2	.2									1.0	3.2
NNW	.6											.6	2.0
VARBL													
CALM												27.4	
	42.3	21.0	6.6	1.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 486

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700015 STATION FT WAINWRIGHT AAF AK 77-82 YEARS JUL MONTH
ALL WEATHER CLASS 2900-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0		.4									1.4	4.3
NNE	1.4	.8	.2									2.5	3.8
NE	.9	.4	.2	.2								1.6	5.5
ENE	.4	1.2	.6									2.7	4.8
E	3.5	2.7	1.0									7.2	3.9
ESE	2.5	2.0	.6	.2								5.3	4.4
SE	1.4	.6	.2									2.2	3.4
SSE	1.6	2.2										3.9	3.9
S	3.3	2.9	.2									6.3	3.7
SSW	3.7	2.5	.4									6.5	3.5
SW	1.0	1.4	1.2									3.7	5.1
WSW	3.5	3.5	2.7	.2								9.8	5.0
W	3.9	4.5	2.9	2.9	.2							14.3	6.5
WNW	2.0	3.1	1.0									6.1	4.4
NW	1.2	.8	.2									2.2	3.5
NNW	1.6	.8	.4									2.9	3.6
VARBL													
CALM												21.3	
	33.3	29.4	12.3	3.5	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 489

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION 77-82 ALL WEATHER JUL 1230-1400
STATION NAME YEARS MONTHS (L.S.T.)
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	1.0	1.0	1.4									3.6
NNE	1.2	.8	.2	.2								2.5
NE	1.4	.6	.6									2.7
ENE	.4	.2	.6	.6								1.8
E	1.4	1.0	1.2	.2								3.9
ESE	2.5	1.4	1.2	.2								4.9
SE	1.4	.6	.8									2.9
SSE	.8	1.6	.2									2.7
S	2.3	2.9	.6		.2							5.9
SSW	2.9	3.1	1.2									7.2
SW	2.5	4.1	.2	.2								7.0
WSW	3.3	4.9	3.3	.6								12.1
W	2.9	5.9	7.6	1.8	.4							18.6
WNW	2.5	2.7	2.7	.6								8.4
NW	.8	1.8	.8									3.5
NNW	1.4	1.4	1.0	.6								4.5
VARBL												
CALM												8.0
	28.3	34.2	23.8	5.1	.6							100.0

TOTAL NUMBER OF OBSERVATIONS 488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.2	.4								4.9	5.7
NNE	1.2	1.2	1.4									5.9	5.2
NE	.4	.6	1.7	.8								2.9	7.8
ENE	.8	.8	.8									2.5	4.8
E	1.7	3.3	2.1	.6								7.7	6.2
ESE	1.9	1.6	.8									4.3	4.3
SE	.4	.8	.4									1.2	4.9
SSE	1.0	1.0										2.1	3.5
S	2.3	1.9	.2									4.3	3.8
SSW	1.6	2.9	.6	.2								5.3	4.8
SW	2.5	2.7	1.9									7.2	4.9
WSW	2.5	4.1	2.5	1.7								10.1	6.0
W	2.5	6.6	6.8	2.5								18.3	7.0
WNW	2.7	3.5	3.1	.6			.2					10.1	6.3
NW	.4	.6	1.2									2.3	6.5
NNW	1.9	1.4	1.9									5.1	5.4
VARBL													
CALM												6.2	
	24.3	35.2	25.9	6.2			.2					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 26 15 FT WAINWRIGHT AAF AK 77-82 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.6	.8	.2								5.1	4.7
NNE	1.4	.6	.4									2.5	3.8
NE	2.5	1.2	.8	.6								5.1	5.4
ENE	1.4	1.2	1.6									4.3	5.2
E	2.3	1.9	.2	.6								4.9	4.6
ESE	2.3	.4	.2									2.9	2.6
SE	1.0	.4	.2	.2								1.9	4.1
SSE	1.6	.4										2.1	2.8
S	1.2	1.9										3.1	3.5
SSW	3.7	2.1	.2									6.0	3.4
SW	2.3	2.5	1.2									6.0	4.6
WSW	1.6	4.3	3.7	.8								15.5	5.1
W	2.5	4.9	6.6	1.2								15.2	6.7
WNW	2.5	2.5	2.7		.2							7.8	5.6
NW	.6	2.5	.4	.2								3.7	5.0
NNW	.6	.8	1.2									2.7	5.9
VARBL													
CALM												16.3	
	30.0	29.2	20.4	3.9	.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 486

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK 70 YEARS JUL 1971 MONTH 2120-2300 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW		100.0										100.0	5.0
NW													
NNW													
VARBL													
CALM													
		100.0										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615 STATION FT WAINWRIGHT AAF AK 77-82 YEARS JUL MONTH
ALL WEATHER CLASS ALL HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.9	.7	.1								2.9	5.1
NNE	1.4	.7	.4	.0								2.6	4.1
NE	1.4	.6	.5	.3								2.5	3.2
ENE	1.6	1.0	.8	.1								3.4	4.6
E	5.1	3.5	1.2	.3								10.2	4.1
ESE	3.2	1.4	.6	.1								5.3	3.6
SE	1.1	.7	.3	.0								2.2	4.0
SSE	1.6	1.2	.1									2.9	3.4
S	2.2	2.1	.2		.0							4.5	3.8
SSW	2.9	2.2	.5	.0								5.7	3.9
SW	1.9	2.2	1.0	.0								5.0	4.6
WSW	2.7	3.9	2.8	.5								9.9	5.5
W	2.5	4.4	5.3	1.8	.1							14.1	6.6
WNW	2.1	2.3	1.9	.2	.0		.0					6.5	5.5
NW	.7	1.1	.5	.0								2.4	4.9
NNW	1.2	.9	.8	.1								3.0	5.2
VARBL													
CALM												10.6	
	32.6	20.1	17.7	3.7	.2		.0					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

2596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615 STATION FT WAINWRIGHT AAF AK 77-82 YEARS ALL WEATHER CLASS 3700-0500 HOURS (CST) CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	1.0
NNE	1.7	.6										2.3	3.3
NE	3.4	1.2	.6									5.2	3.7
ENE	4.6	2.3										6.9	3.2
E	13.6	5.8										21.4	2.9
ESE	7.5	.6										8.1	2.6
SE	1.2											1.2	2.5
SSE	1.2											1.2	2.5
S	.5	1.2										1.7	4.0
SSW	2.3	1.2										3.5	3.0
SW	.5	1.7										2.3	3.8
WSW	3.3	1.7	1.2	.6								5.5	5.4
W	1.2	1.2	1.2									4.8	4.7
WNW	.5		.6									1.2	5.5
NW	1.2											1.2	1.0
NNW													
VARBL													
CALM												73.5	
	44.5	17.9	3.5	.6								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 173

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702511 STATION FT. RAINWRIGHT AFB AK 77-62 YEARS MONTH ALL WEATHER CLASS 0600-0800 HOURS (L & T) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4		.2									.2	2.7
NNE	3.3		.4									2.7	3.1
NE	1.5	.2	.2									2.5	3.2
ENE	3.7	2.3	.5									6.7	3.6
E	16.0	8.1	1.2									25.2	3.3
ESE	7.1	1.0										8.1	2.5
SE	1.5	.6										2.1	2.6
SSE	1.5											1.5	2.0
S	1.5	.2										1.7	2.6
SSW	2.1	2.1	.2									4.4	3.7
SW	1.0	1.0	.2									2.1	4.0
WSW	1.3	3.3	1.5	.4								6.5	3.4
W	1.3	1.0	2.3	.2								4.8	6.0
WNW	.2	1.0	.4									2.1	4.5
NW													
NNW	.2											.2	1.0
VARBL													
CALM												26.7	
	42.3	21.2	7.3	.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION 77-81 NORTH
FT WAINWRIGHT AAF AK
ALL WEATHER CLASS
1955-1959
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	.2									1.8	3.6
NNE	.8	.2										1.0	2.6
NE	.2	.2	.6									1.0	4.9
ENE	1.2	.8	.4									2.1	3.6
E	5.0	6.1	2.1	.2								13.4	4.4
ESE	4.7	2.9	1.7									8.6	4.2
SE	2.7	1.7	.4									4.8	2.2
SSE	2.7	1.1	.4									4.2	3.3
S	1.1	1.7	.2									4.0	2.6
SSW	3.8	2.3	.2									5.7	3.6
SW	.4	1.3	.6	.2								2.5	5.9
WSW	2.3	1.2	3.3	.6								8.0	6.0
W	2.7	3.6	3.6	1.1								11.1	4.1
WNW	1.4	1.1	1.1	.2								4.2	5.2
NW	.6	.6	.4									1.8	4.8
NNW	.6	.2	.2									1.0	4.2
VARBL												24.7	
CALM													
	32.2	25.5	15.3	2.3								170.2	3.5

TOTAL NUMBER OF OBSERVATIONS 1722

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

7 7515 FT WAINWRIGHT AAF AK 77-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.7	.2									2.1	1.8
NNE	1.5		.2									1.5	2.0
NE	.5	.4	.4	.4								1.3	2.7
ENE	1.6	1.5	.9	.2								3.4	4.5
E	3.4	2.5	1.7	.4								7.0	4.5
ESE	2.8	2.5	1.5	.6								7.4	4.5
SE	2.3	1.1	.4	.2								4.2	4.1
SSE	1.7	1.5	.2									3.4	2.7
S	1.7	2.7	.6									4.0	4.1
SSW	1.5	2.7	1.1									5.4	4.5
SW	1.7	1.0	1.1									3.8	4.5
WSW	2.1	2.1	3.3	.6								8.1	4.2
W	4.2	6.3	4.0	1.9								17.2	5.1
WNW	2.0	2.1	1.0	.2								6.3	4.5
NW	.4	.6	.4									1.0	4.7
NNW	1.7	.4	.4									2.5	4.7
VARBL												1.0	
CALM													
	21.4	22.7	18.6	4.4								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION FT WALNUT HUNT AAF AK STATION NAME 77-5 YEARS 1950-1970 MONTH ALL
CLASS ALL WEATHER HOURS 1500-1700
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	.2									2.1	4.0
NNE	1.2	1.2	.2	.2								2.0	4.0
NE	.5	.4	.2	.2								3.1	3.3
ENE	1.7	.6	1.2	1.7								4.8	0.6
E	1.7	2.9	1.2									5.8	4.9
ESE	1.7	2.1	1.0									4.8	4.3
SE	1.7	.6	.6									3.1	4.7
SSE	.2	1.3	1.2	.2								3.0	5.7
S	.9	2.7	.4									6.8	3.5
SSW	2.9	2.7	.6	.0								6.8	4.7
SW	1.7	2.9	.8									5.8	4.4
WSW	3.5	3.5	1.3									7.7	4.5
W	7.3	4.4	5.2	1.7								14.8	6.6
WNW	1.7	5.0	3.5									11.8	5.9
NW	1.2	1.7	1.2									4.2	5.1
NNW	1.2	1.3	.2									3.1	3.7
VARBL													
CALM												11.0	
	30.7	35.2	18.5	3.9								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 519

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 77-62 FT. WAINWRIGHT AAF AK STATION NAME 77-62 YEARS 401 MONTH 1960-2000
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.4	.6									4.1	4.1
NNE	3.1	2.1										4.2	3.5
NE	2.1	1.4	.6	.2								4.4	4.4
ENE	2.1	1.7	1.0									4.2	4.4
E	4.5	2.0	.8									4.2	3.7
ESE	1.4	1.7										3.1	3.2
SE	.4	1.0										1.4	4.1
SSE	1.7	1.2										2.8	3.2
S	2.7	1.0	.2									3.7	3.3
SSW	3.3	1.7	.2									5.2	3.6
SW	1.7	.0	.2	.2								2.9	4.0
WSW	1.5	1.0	1.4	.2								5.0	5.2
W	3.7	2.0	2.5	.4								15.4	5.1
WNW	2.1	4.1	.4	.2								6.8	4.4
NW	.4	.4	.2									1.3	5.2
NNW	.3	1.0	.4									3.1	4.4
VARBL													
CALM												23.5	
	57.0	34.0	5.5	1.2								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 518

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-25-15 STATION FT WAINWRIGHT AAF AK 77-62 YEARS MONTH ALL
STATION STATION NAME CLASS ALL
CONDITION HOURS (L E T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	.3									2.1	3.9
NNE	1.6	.7	.1	.0								2.4	3.4
NE	1.6	.6	.4	.1								2.7	4.2
ENE	2.3	1.4	.7	.3								4.7	4.4
E	6.8	4.6	1.2	.1								12.7	3.8
ESE	3.7	1.9	.8	.1								6.6	3.8
SE	1.7	.8	.3	.0								2.6	3.6
SSE	1.7	1.4	.3	.0								3.0	3.7
S	2.1	1.6	.3									3.9	3.6
SSW	2.5	2.2	.5	.0								5.3	4.0
SW	1.2	1.4	.5	.1								3.2	4.5
WSW	2.2	2.6	2.1	.4								7.2	5.5
W	2.9	4.7	3.5	1.0								12.1	5.9
WNW	1.7	2.8	1.4	.1								6.1	5.1
NW	.6	.6	.4									1.6	4.7
NNW	.9	.7	.2									1.8	3.8
VARBL													
CALM												21.7	
	34.5	25.3	13.0	2.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2774

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AEP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION FT WAINWRIGHT AAF AK STATION NAME 77-82 YEARS SEP MONTH 100-7500 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.9	2.0
NNE	1.9	.6										2.5	3.0
NE	2.5	.6										3.1	2.6
ENE	3.7	5.6	.6									9.9	4.1
E	11.8	4.3	3.7	.6								20.5	4.0
ESE	5.0		.6									5.6	2.6
SE													
SSE	1.2											1.2	1.5
S		.6										.8	4.0
SSW	.6		.6									1.2	5.0
SW	1.9	.6										2.5	3.3
WSW		1.9	1.2									3.1	5.8
W	1.9	.6	.6									3.1	3.6
WNW	4.3	.6										5.0	2.6
NW													
NNW	.6		.6									1.2	4.5
VARBL													
CALM												79.8	
	36.0	15.5	8.1	.6								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 161

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-24-15 STATION FT WAINWRIGHT AAF AK STATION NAME 77-82 YEARS 518 MONTHS
ALL WEATHER CLASS 0600-1800 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	2.1											2.1
NNE	1.2											1.2
NE	3.3	.2	.6	.4								4.5
ENE	5.4	2.3	.8	.2								8.7
E	14.5	7.6	3.1	.4								25.5
ESE	3.9	.9	.2									5.0
SE	1.7	.4										2.1
SSE	1.4	.4										1.9
S	2.5	.6										3.1
SSW	2.1	1.7	.2									3.3
SW	1.2	.6	.4									2.3
WSW	.6	2.1	.6									3.3
W	.6	1.7	1.2									2.9
WNW	1.7	.4		.2	.2							2.5
NW	.2	.2										.4
NNW	.4	.4										.6
VARBL												
CALM												70.4
	42.3	18.2	7.2	1.2	.2							100.0

TOTAL NUMBER OF OBSERVATIONS 484

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2615 STATION 77-82 MONTH 517
FT WAINWRIGHT AAF AK YEARS 0900-1100
ALL WEATHER CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.2										1.9	2.3
NNE	1.0	.4										1.4	2.9
NE	.8	.6	.8									2.3	5.4
ENE	2.5	3.9	2.1	.4								6.9	5.4
E	7.2	7.9	5.8	1.9								22.7	5.6
ESE	2.7	3.3	1.7	.2								7.9	4.8
SE	4.3	.6										5.2	2.2
SSE	1.9	.4										2.3	2.8
S	2.7	.4										3.1	2.4
SSW	1.4	1.0	.4	.2								3.1	4.2
SW	1.7	1.4										2.5	3.8
WSW	.8	2.3	.8	.2								4.1	5.4
W	1.2	2.5	1.2									5.0	5.3
WNW	1.7	.8	.6									3.1	4.2
NW	.8	.2	.2									1.2	3.5
NNW	.8	.6										1.4	3.3
VARBL													
CALM												24.2	
	32.0	26.7	13.6	2.9								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 484

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION FT WAINWRIGHT AAF AK 77-62 YEARS SEP MONTH 1230-1400 HOURS (L E T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	~	MEAN WIND SPEED
N	1.9	1.2	.4	.2								3.7	4.4
NNE	1.4	.2										1.7	2.4
NE	1.7	.2	.4	.6								2.3	6.9
ENE	1.7	3.9	1.9	.8								8.3	5.9
E	3.5	5.8	6.6	.8								16.8	6.3
ESE	1.9	3.1	3.1	.8								6.9	6.4
SE	.4	1.2	1.0									2.5	5.5
SSE	2.3	.4										2.7	2.4
S	1.4	.8										2.3	3.0
SSW	2.5	.2	.4									3.1	3.1
SW	1.9	1.0	.4									3.3	3.9
WSW	2.1	1.9	.8	.2								5.0	4.9
W	1.4	3.7	5.6	.2								11.2	6.4
WNW	3.1	1.9	1.0	.2								6.2	4.4
NW	1.7	.6	.4									2.7	3.5
NNW	.4	1.4	.2									2.1	4.5
VARBL													
CALM												17.6	
	23.6	27.5	22.4	3.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 493

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION FT WAINWRIGHT AAF AK 77-82 YEARS SLP
STATION NAME CLASS ALL WEATHER MONTHS 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	1.4	1.7	.2	.6								3.9
NNE	1.2		.4									1.7
NE	2.7	1.2	.4	.8								5.2
ENE	1.2	1.0	2.5	1.0								6.6
E	4.3	6.6	4.6	.6								16.1
ESE	1.0	2.1	1.4	.2								4.9
SE	1.4	1.0	1.0	.2								3.7
SSE	1.7	.4	.2									2.3
S	1.9	1.0										2.9
SSW	2.7	.8										3.5
SW	1.7	1.4	.2	.2								2.9
WSW	1.0	4.1	1.4	.4								7.9
W	2.1	3.3	3.9	.8								10.1
WNW	2.5	2.3	1.9	.2								6.5
NW	.5	1.7	1.4									3.7
NNW	.6	1.7	.4									2.7
VARBL												15.1
CALM												
	23.4	31.3	20.1	5.2								100.0

TOTAL NUMBER OF OBSERVATIONS 423

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 70515 FT WAINWRIGHT AAF AK STATION NAME 77-82 YEARS MONTH SEP 1950-2000 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.4									3.1	4.4
NNE	1.7	1.4	.2									3.3	3.4
NE	1.7	1.0	1.0	.2								3.9	5.1
ENE	2.5	4.6	2.5	.6								10.1	5.5
E	5.8	6.8	2.7	1.4								16.8	5.0
ESE	.6	1.2	.4									2.3	5.1
SE	.6	.4	.2									1.2	3.2
SSE	.6											.6	2.7
S	1.7	.2										1.2	2.2
SSW	2.3	1.2	.2									3.7	3.5
SW	1.9	1.0										2.9	3.1
WSW	1.7	1.7	.2	.2								3.7	4.4
W	2.5	3.1	.4	.6								9.6	4.8
WNW	2.1	1.9	.8									4.8	4.1
NW	1.7	1.0	.2									2.9	5.4
NNW	.4	1.2	.4									2.1	4.6
VARBL													
CALM												10.6	
	24.2	28.4	9.7	3.1								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 483

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

72615 STATION 72 SEP 79
FT WAINWRIGHT AAF AK STATION NAME YEARS
ALL WEATHER CLASS
2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE			100.0									100.0	7.0
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
			100.0									100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-26-15 STATION FT. WAINWRIGHT AAF AK STATION NAME 77-82 YEARS SEP NORTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.9	.2	.2								2.3	4.0
NNE	1.4	.4	.1									1.9	3.1
NE	1.0	.7	.6	.4								3.2	4.8
ENE	2.7	3.5	1.9	.6								8.6	5.4
E	7.4	6.8	4.5	1.0								19.7	5.1
ESE	2.2	2.0	1.3	.2								5.7	3.0
SE	1.6	.7	.4	.0								2.7	3.7
SSE	1.6	.3	.2									1.9	2.7
S	1.8	.6										2.4	2.7
SSW	2.1	.2	.3	.0								3.2	3.4
SW	1.4	1.1	.2	.0								2.8	3.8
WSW	1.3	2.4	.8	.2								4.7	5.1
W	1.6	2.6	2.4	.3								6.9	5.9
WNW	2.3	1.4	.8	.1	.0							4.7	4.4
NW	.9	.7	.4									2.1	4.2
NNW	.5	1.0	.2									1.8	4.3
VARBL													
CALM												24.6	
	32.3	25.7	14.2	7.1	.0							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7 2615 STATION FT WAINWRIGHT AAF AK 77-2 YEARS 01 NORTH
STATION NAME CLASS 0300-0600 HOURS (L.Y.)
ALL WEATHER CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										3.6	2.0
NNE	1.8	1.2	.6									3.6	3.7
NE	1.2	1.8	.6									3.6	4.8
ENE	2.4	1.2	1.8									5.4	4.3
E	5.0	7.2	3.6									16.8	4.6
ESE	2.4		.6									3.0	3.2
SE													
SSE	.6											.6	2.0
S	1.8	1.2										4.2	2.7
SSW	1.2	1.2										2.4	3.0
SW		.6										.6	5.0
WSW		1.2	1.2									2.4	6.3
W		1.8	.6									2.4	6.3
WNW	.6	.6										1.2	3.0
NW	.6											.6	3.0
NNW	1.2											1.2	2.0
VARBL													
CALM												44.5	
	24.0	18.0	9.0									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 167

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-24-15 STATION 77-15 FT. LAINWRIGHT AAF AK STATION NAME 77-15 YEARS 1950-1959 MONTH 1-12-1960
ALL WEATHER CLASS 1950-1960 HOURS 1-12-1960
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.6										2.0	2.9
NNE	1.0	.6										1.6	2.1
NE	4.7	1.2										5.9	2.9
ENE	7.3	2.2	1.2	.2								8.8	4.7
E	5.4	6.8	2.2	1.0								14.0	4.4
ESE	7.2	.2	.4									2.7	3.5
SE	.2											.2	1.2
SSE	.2	.4										.2	2.7
S	1.0	.2										1.0	2.7
SSW	1.2	.2										2.0	2.2
SW	1.2	.5										2.4	3.1
WSW	.2	1.2	.2									7.2	4.3
W	.6	1.0	1.0									2.0	2.2
WNW	2.4	.2										2.5	2.2
NW		.2										.2	4.2
NNW	.4	.4	.2									1.0	3.5
VARBL													
CALM												47.5	
	3.2	16.1	5.1	1.2								1.3	2.2

TOTAL NUMBER OF OBSERVATIONS

210

GENERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

7-1-15 STATION FT. RAINWRIGHT AAF AK 77-2 YEARS 561 MONTH 1946-1950
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
DIR													
N	1.4											1.4	1.4
NNE	1.0	.5										1.5	1.5
NE	2.7	1.2	.4	.2								4.5	4.5
ENE	3.3	2.1	.2	.2								5.8	5.8
E	3.6	11.4	2.5									17.5	17.5
ESE	2.2	1.2	.6									4.0	4.0
SE	.2											.2	.2
SSE	1.1											1.1	1.1
S	1.0	.3										1.3	1.3
SSW	1.0	.3										1.3	1.3
SW	1.0	.2										1.2	1.2
WSW	1.2	.3										1.5	1.5
W	.4	1.0	1.4	.2								3.0	3.0
WNW	.6	.6										1.2	1.2
NW	.4											.4	.4
NNW	.4	.4										.8	.8
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

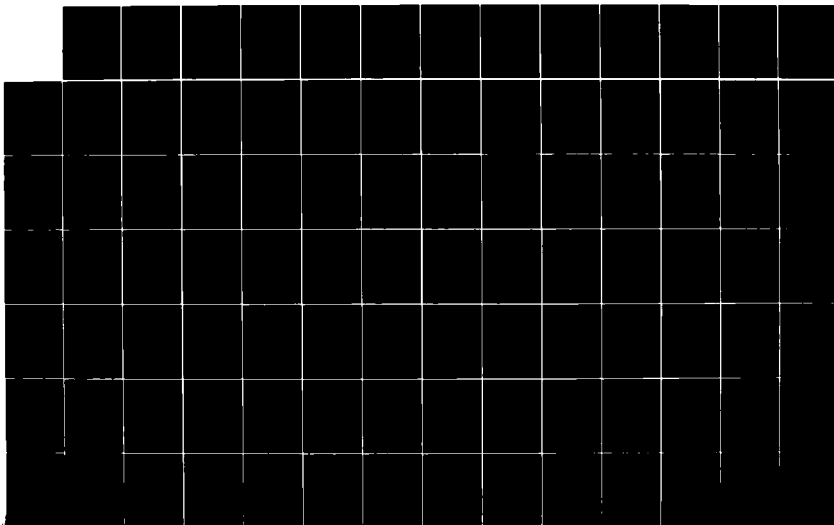
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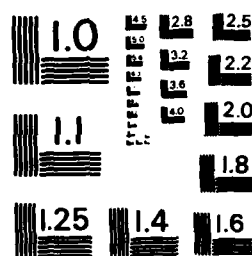
PORT WAINWRIGHT WAINWRIGHT AAF ALASKA LIMITED SURFACE
OBSERVATIONS CLIMAT. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 13 OCT 83
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT MAINWRIGHT AAF AK 77-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8											.8	2.0
NNE	1.6	.8	.2									2.5	3.4
NE	.8	1.0	.2	.4								2.4	5.2
ENE	3.3	4.3	1.8	.2								9.6	4.9
E	6.1	10.0	2.4	.6								19.0	4.8
ESE	2.2	1.2	.2									3.5	3.1
SE	2.0											2.0	2.1
SSE	.6	.2										.8	2.3
S	1.6	1.0										2.5	3.0
SSW	2.4	.2	.4									2.9	3.0
SW	2.2	.8										2.9	2.9
WSW	.8	.4	.4									1.6	4.6
W	2.2	1.4	2.0	.4								5.9	5.5
WNW	4.1	.4	.2	.2								4.9	2.6
NW	1.0		.2									1.2	3.5
NNW	.6	.2										.8	3.3
VARBL													
CALM												36.7	
	32.0	21.8	7.8	1.8								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 77-82 061
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.2									1.8	4.0
NNE	.4		.2									.6	5.0
NE	2.2	1.8	.4									4.3	3.6
ENE	3.7	3.9	2.2	.2								10.0	4.8
E	6.7	6.1	3.3	.4								16.5	4.7
ESE	1.6	.6										2.2	2.6
SE	.4											.4	1.5
SSE	.8	.2										1.0	2.6
S	2.2	.4										2.5	2.5
SSW	1.8	.6	.4									2.7	3.6
SW	1.6	.4	.2									2.2	2.8
WSW	2.7	1.4	1.0									5.1	4.1
W	2.4	2.0	1.4									5.7	4.6
WNW	2.5	1.4	.2	.2								4.3	3.5
NW	.6	1.2										1.8	3.6
NNW	1.0	.4										1.4	3.1
VARBL													
CALM												37.6	
	31.4	20.8	9.4	.8								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT MAINWRIGHT AAF AK

77-82

0CT

ALL WEATHER

1800-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2										.8	2.0
NNE	1.2	.4	.2									1.8	3.7
NE	2.2	1.0	.4	.4								3.9	4.6
ENE	4.9	5.1	2.4									12.4	4.7
E	8.2	5.5	2.2	.2								16.1	4.1
ESE	1.2	.4	.2									1.8	2.9
SE	.6	.2										.8	2.8
SSE	.4											.4	2.5
S	1.6											1.6	1.9
SSW	1.0	.6										1.6	2.9
SW	1.2	.4	.2									1.8	3.3
WSW	1.0	2.2	.6									3.7	4.7
W	1.6	2.4	1.2									5.1	4.9
WNW	.8	.2										1.0	2.9
NW	.2	.4										.6	3.7
NNW	.4	.2										.6	3.0
VARBL													
CALM												46.3	
	26.9	19.0	7.3	.6								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-82
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N													
NNE	4.5											4.5	2.0
NE		4.5										4.5	4.0
ENE	4.5											4.5	3.0
E		9.1										9.1	4.5
ESE													
SE													
SSE													
S													
SSW		4.5										4.5	4.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARIABLE													
CALM												72.7	
	9.1	18.2										100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

22

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT MAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.3	.0									1.4	2.8
NNE	1.2	.5	.1									1.9	3.0
NE	2.4	1.2	.4	.2								4.2	3.9
NNE	3.8	3.5	1.9	.1								9.9	4.7
E	7.4	7.8	2.6	.4								18.3	4.4
ESE	1.9	.6	.3									2.8	3.2
SE	.7	.0										.7	2.1
SSE	.6	.1										.7	2.4
S	1.8	.5										2.3	2.7
SSW	1.4	.5	.1									2.1	3.1
SW	1.6	.5	.1									2.1	2.9
WSW	1.2	1.2	.6									3.0	4.5
W	1.3	1.7	1.3	.1								4.4	5.3
WNW	2.0	.5	.1	.1								2.7	2.9
NW	.4	.3	.0									.8	3.4
NNW	.6	.3	.0									.9	3.2
VARBL													
CALM												42.4	
	29.4	19.8	7.6	.9								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 2739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK

77.79-82

NOV

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.8										2.3	3.0
NNE													
NE	.8											.8	2.0
ENE	2.3	1.5	.8	.8								5.3	5.3
E	3.0	4.5	.8									8.3	4.0
ESE	1.5											1.5	1.0
SE	1.5											1.5	2.5
SSE	3.0											3.0	1.8
S													
SSW													
SW													
WSW	.8											.8	1.0
W	2.3	1.5		.8								4.5	4.5
WNW	1.5											1.5	1.5
NW	.8	.8										1.5	3.0
NNW													
VARBL													
CALM												69.2	
	18.8	9.0	1.5	1.5								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 131

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 STATION FT WAINWRIGHT AAF AK 77-82 YEARS NOV 1977
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	1.6
NNE	1.7											1.7	1.8
NB	1.5	.4	.6									2.5	4.0
ENE	4.0	3.0	.8	.4								8.3	4.4
E	4.9	.8	1.1	.2								7.0	3.6
ESE	1.7	.6										2.3	2.3
SE	1.5	.2										1.7	2.3
SSE	1.3											1.3	1.5
S	.8	.2										1.1	2.6
SSW	1.7											1.7	2.1
SW													
WSW	1.9	.2	.2									2.3	3.0
W	.8	.4										1.3	3.5
WNW	1.3	.8		.2								2.3	4.2
NW	.6	.2										.8	3.3
NNW	.6											.6	1.0
VARBL													
CALM												63.9	
	25.5	7.0	2.8	.8								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 77-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0900-1100
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8											.8	1.8
NNE	1.9	.2	.4									2.5	3.6
NE	1.3	1.7	.2									3.2	4.2
ENE	2.5	3.0	.8									6.3	4.0
E	5.5	3.6	1.5									10.5	3.7
ESE	1.3	.4										1.7	2.5
SE	.8	.6										1.5	2.9
SSE	.4											.4	2.5
S	1.1											1.1	2.2
SSW	.6	1.1										1.7	3.8
SW	.8	.2										1.1	2.6
WSW	1.1	1.3	.4									2.7	4.6
W	1.1	.8										1.9	3.6
WNW	2.3	.6										3.0	2.6
NW	1.5											1.5	2.3
NNW	.4											.4	2.0
VARB													
CALM												59.7	
	23.4	13.5	3.4									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 474

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.2										1.7	2.3
NNE	1.3	.6										1.9	3.3
NE	2.1	.6	.2	.4								3.4	4.3
ENE	2.7	1.5	.4	.2								4.9	3.9
E	4.9	4.2	1.9									11.0	4.2
ESE	2.3	.6	.2									3.2	3.1
SE	.6											.6	1.7
SSE	1.1											1.1	1.8
S	.8	.2										1.1	2.4
SSW	1.9	.4	.6									3.0	3.7
SW	.6			.2								.8	5.0
WSW	1.9	1.3	.6									3.8	3.9
W	1.1	1.3	.6									3.0	4.2
WNW	1.9	.2										2.1	2.2
NW	.2											.2	3.0
NNW	.6											.6	2.0
VARBL													
CALM												57.8	
	25.5	11.2	4.6	.8								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

474

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK

77-82

NOV

ALL WEATHER

1500-1700

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.2										1.7	2.1
NNE	1.9		.4	.2								2.5	3.9
NE	1.9	1.1	.4									3.4	3.8
ENE	3.8	2.3	1.3									7.4	4.1
E	4.0	3.0	1.7									8.6	4.3
ESE	1.9	.2										2.1	2.6
SE	.4											.4	1.5
SSE	.6											.6	2.0
S	2.1	.2										2.3	2.5
SSW	1.1	.4	.2									1.7	3.9
SW	1.3	.4										1.7	2.9
WSW	.4	2.1	.2									2.7	5.2
W	1.7	.8										2.5	2.7
WNW	1.3	.2										1.5	1.9
NW	.6											.6	1.3
NNW	.8											.8	1.8
VARBL													
CALM												59.3	
	25.3	11.0	4.2	.2								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 474

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 77-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER 1800-2600
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.2										1.7	2.0
NNE	1.9	.2										2.1	2.7
NE	1.1	1.1	.2									2.3	4.0
ENE	4.5	1.7	.4									6.6	3.2
E	7.2	2.3	2.1									11.7	3.7
ESE	1.5	.4	.4									2.3	3.2
SE	.6											.6	2.3
SSE	.2											.2	3.0
S	.8											.8	2.3
SSW	.8	.4										1.3	3.2
SW	1.3	.4	.2									1.9	3.6
WSW	1.1	.6										1.7	3.3
W	1.1		.2									1.3	3.5
WNW	1.3											1.3	2.3
NW	.2	.2										.4	3.0
NNW	.6											.6	1.7
VARBL													
CALM												63.1	
	25.7	7.6	3.6									100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION 78-82 YEARS 1977-2380
FT WAINWRIGHT AAF AK STATION NAME ALL WEATHER CLASS 1977-2380 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE	4.6	.8										5.3 2.4
ENE	3.1	1.5	.8									5.3 3.7
E	3.9	6.4	2.3									14.5 4.7
ESE												
SE												
SSE												
S	.8											.8 3.0
SSW												
SW												
WSW		1.5										1.5 4.5
W	1.5	.8	1.5									3.3 4.6
WNW	.8											.8 2.0
NW												
NNW	.8											.8 2.0
VARBL												
CALM												67.2
	15.3	13.0	4.6									100.0 1.3

TOTAL NUMBER OF OBSERVATIONS 131

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

722615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L E T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2										1.4	2.1
NNE	1.6	.2	.2	.0								1.9	3.2
NE	1.7	.9	.3	.1								3.0	3.9
ENE	3.4	2.2	.8	.2								6.5	4.0
E	5.1	3.2	1.6	.0								9.9	4.0
ESE	1.6	.4	.1									2.2	2.7
SE	.8	.2										1.0	2.3
SSE	.8											.8	1.9
S	1.1	.1										1.2	2.5
SSW	1.1	.4	.2									1.7	3.4
SW	.7	.2	.0	.0								1.0	3.2
WSW	1.2	1.1	.3									2.5	4.0
W	1.2	.7	.2	.0								2.2	3.7
WNW	1.6	.3		.0								1.9	2.7
NW	.6	.1										.7	2.5
NNW	.6											.6	1.7
VARBL													
CALM												61.5	
	24.3	10.2	3.7	.4								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

2628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-79-82
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.9											.9	3.0
ENE	.9	.9										1.7	4.5
E	2.6		.9									3.5	3.5
ESE													
SE													
SSE													
S													
SSW													
SW	.9											.9	2.0
WSW													
W			1.7									1.7	9.5
WNW	.9		.9									1.7	5.0
NW	.9											.9	3.0
NNW													
VARBL													
CALM												88.7	
	7.0	.9	3.5									100.0	.5

TOTAL NUMBER OF OBSERVATIONS 115

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

D6C
SCALE

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8											.8	2.0
NNE	1.0											1.0	2.6
NE	1.6	.2	.2									2.0	3.2
ENE	1.6	1.6	.4									3.6	4.1
E	2.4	2.0	.6									5.0	4.0
ESE	1.6											1.6	2.6
SE	1.0											1.0	2.4
SSE	.4	.2										.6	2.3
S	.4											.4	1.5
SSW	.2											.2	2.0
SW	.6	.4										1.0	3.4
WSW	.2		.6			.2						1.0	10.0
W	.6	.4	1.4	.2	.2							2.8	8.0
WNW	1.0		.4		.2							1.6	5.3
NW	.4											.4	1.5
NNW	.2	.4										.6	3.7
VARBL													
CALM												76.4	
	14.0	5.2	3.6	.2	.4	.2						100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	2.5
NNE	.6											.6	2.7
NE	1.4	.8	.6									2.8	3.8
ENE	1.8	1.6	.4									3.8	3.9
E	2.2	1.2	.2									3.6	3.2
ESE	1.0		.2									1.2	2.8
SE	.4											.4	2.0
SSE	.6											.6	1.7
S	.2											.2	2.0
SSW	.6											.6	2.0
SW													
WSW	.4		.6									1.0	6.0
W	.4	.8	.6	.4								2.2	7.2
WNW	1.0			.2	.2							1.4	6.4
NW	.4											.4	2.0
NNW	.6											.6	1.7
VARBL													
CALM												80.2	
	12.0	4.4	2.6	.6	.2							100.0	.8

TOTAL NUMBER OF OBSERVATIONS

501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615 FT WAINWRIGHT AAF AK

77-82

DEC

STATION

STATION NAME

YEARS

DATE

ALL WEATHER

CLASS

1200-1800

PERIOD (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.4	.2										1.6	2.5
NE	1.2		.2									1.4	2.7
ENE	2.2	1.8	1.0									5.0	4.8
E	4.0	1.6	.8									6.4	3.5
ESE	1.2	.6	.2									2.0	3.4
SE	.4											.4	2.0
SSE	.8											.8	1.8
S	.4											.4	2.5
SSW	.4	.2										.6	2.7
SW	.2	.2										.4	3.5
WSW	.6	.6	.4									1.6	4.3
W	1.4	.6	.4	.6								3.0	5.6
WNW	1.2											1.2	1.7
NW	.2											.2	3.0
NNW	.4											.4	1.5
VARBL													
CALM												74.4	
	16.1	5.8	3.0	.6								100.0	.9

TOTAL NUMBER OF OBSERVATIONS

497

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702615 FT MAINWRIGHT AAF AK 77-82 DEC 1500-1700
STATION STATION NAME YEARS GUSTS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.8											.8	1.5
NNE	1.2	.4										1.6	3.1
NE	1.4	.6	.2									2.2	4.0
NNE	1.4	1.6	1.4	.4								4.9	5.7
E	3.8	2.2	1.0	.2								7.3	4.3
ESE	2.0	.2	.2									2.4	3.3
SE	.2											.2	2.0
SSE		.2										.2	4.0
S	1.0		.2									1.2	2.7
SSW	1.2	.8	.2									2.2	3.8
SW	.2	.2										.4	4.0
WSW	.2											.2	2.0
W	.2	.6	.2	.6								1.6	6.4
WNW	.2	.6										.8	3.8
NW	.4											.4	1.5
NNW													
VARBL													
CALM												73.5	
	14.4	7.5	3.4	1.2								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 494

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-82
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5										1.0	3.5
NNE	1.2											1.2	2.6
NE	.7	1.4	.2									2.4	4.5
ENE	1.7	1.7	1.4									4.8	4.8
E	1.9	1.0	.5									3.4	3.6
ESE	.7											.7	2.0
SE	.2											.2	2.0
SSE													
S	.2											.2	2.0
SSW	.5	1.0	.2									1.7	4.1
SW	.7											.7	1.7
WSW	.5	.5										1.0	3.3
W	.2	.2	.2	.5								1.2	8.9
WNW	1.0											1.0	2.5
NW	.7											.7	1.3
NNW													
VARBL													
CALM												79.8	
	10.8	6.2	2.6	.5								100.0	.8

TOTAL NUMBER OF OBSERVATIONS

916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

702615 FT WAINWRIGHT AAF AK 78-82
STATION STATION NAME YEAR MONTHS
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.0
NNE													
NE	2.0											2.0	1.5
ENE		4.9	1.0									5.9	5.2
E	2.9	1.0										3.9	2.3
ESE	1.0											1.0	2.0
SE													
SSE	1.0											1.0	2.0
S													
SSW		1.0										1.0	6.0
SW	1.0											1.0	3.0
WSW	1.0											1.0	3.0
W			1.0									1.0	9.0
WNW													
NW													
NNW													
VARBL													
CALM												1.0	
	9.8	6.9	2.0									100.0	.7

TOTAL NUMBER OF OBSERVATIONS 102

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

752615 FT MAINWRIGHT AAF AK

77-82

DEC

ALL WEATHER

ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1										.6	2.3
NNE	1.0	.1										1.1	2.7
NE	1.3	.5	.3									2.1	3.6
ENE	1.6	1.9	.9	.1								4.3	4.6
E	2.9	1.5	.6	.0								5.1	3.7
ESE	1.3	.2	.1									1.5	3.0
SE	.4											.4	2.2
SSE	.4	.1										.5	2.1
S	.4		.0									.5	2.3
SSW	.5	.4	.1									1.0	3.6
SW	.4	.2										.5	3.0
WSW	.4	.2	.3			.7						.9	5.5
W	.5	.5	.6	.4	.0							2.1	7.9
WNW	.8	.1	.1	.0	.1							1.2	9.3
NW	.4											.4	1.8
NNW	.2	.1										.3	2.4
VARBL													
CALM												77.5	
	13.1	5.6	3.0	.6	.1	.0						100.0	.9

TOTAL NUMBER OF OBSERVATIONS 2625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION 77-83 FT WAINWRIGHT AAF AK STATION NAME YEARS ALL MONTH ALL HOURS (L & T.)

ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	.2	.0								1.9	3.9
NNE	1.1	.5	.2	.0								1.9	3.9
NE	1.4	.9	.8	.3	.0	.0						3.3	5.4
ENE	2.3	2.5	1.8	.5	.0							7.2	5.5
E	4.4	4.2	2.3	.5	.0							11.4	4.9
ESE	1.8	1.1	.6	.1	.0							3.7	4.4
SE	.8	.4	.2	.0								1.5	4.0
SSE	.8	.5	.1	.0								1.5	3.7
S	1.3	.7	.2	.0	.0							2.2	3.6
SSW	1.5	1.7	.4	.0								2.9	4.0
SW	1.0	.9	.4	.1								2.4	4.5
WSW	1.5	1.9	1.3	.3	.0	.0						5.1	5.6
W	1.9	2.3	2.3	.7	.7	.0						7.2	6.2
WNW	1.9	1.3	.8	.2	.0	.0	.0					4.2	4.8
NW	.6	.4	.3	.0								1.3	4.5
NNW	.6	.5	.2	.0	.0							1.4	4.4
VARBL													
CALM												41.0	
	23.9	19.8	12.2	2.9	.2	.0	.0					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 34094

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2615 STATION FT WAINWRIGHT AAF AK STATION NAME 77-83 YEARS ALL MONTHS ALL HOURS (L.S.T.)
INSTRUMENT CLASS
CONDITION
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	.0									.5	2.8
NNE	.7	.1		.0								.8	2.8
NE	.9	.4	.2									1.5	3.4
ENE	2.4	.9	.2	.1								3.6	3.4
E	4.4	1.3	.2									5.9	2.9
ESE	1.5	.3										1.8	2.5
SE	.9	.2										1.0	2.4
SSE	.7	.2	.0									1.0	2.8
S	1.3	.4	.0									1.8	2.9
SSW	1.7	1.6	.4									3.7	4.0
SW	2.0	1.5	.6	.1								4.2	4.4
WSW	1.8	2.7	2.0	.4	.2	.0						7.1	6.0
W	1.3	2.3	3.9	.8	.1							8.3	7.0
WNW	1.3	.8	.4	.3								2.8	4.7
NW	.3	.3										.7	3.4
NNW	.2	.4	.0									.7	4.0
VARBL													
CALM												4.6	
	21.7	13.5	8.1	1.7	.2	.0						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 2456

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq \frac{1}{8}$	≥ 0
NO CEILING																
N 1800																
N 1500					91.0											92.6
N 1200																
N 1000																
N 900																
N 800																
N 700																
N 600																
N 500										97.4						98.1
N 400																
N 300																
N 200																
N 100					95.4		96.9			98.3						100.0
N 0																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

76-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	36.8	48.0	50.0	50.7	52.0	52.0	53.3	53.3	53.9	55.3	56.6	56.6	59.2	59.9	61.2	61.2
≥20000	37.5	48.7	50.7	51.3	52.6	52.6	53.9	53.9	54.6	55.9	57.2	57.2	59.9	60.5	61.2	61.8
≥18000	42.8	53.9	55.9	56.6	57.9	57.9	59.2	59.2	59.9	61.2	62.5	62.5	65.1	65.9	67.1	67.8
≥16000	42.8	53.9	55.9	56.6	57.9	57.9	59.2	59.2	59.9	61.2	62.5	62.5	65.1	65.8	67.1	67.8
≥14000	42.8	53.9	55.9	56.6	57.9	57.9	59.2	59.2	59.9	61.2	62.5	62.5	65.1	65.8	67.1	67.8
≥12000	43.4	54.6	56.6	57.2	58.6	58.6	59.9	59.9	60.5	61.8	63.2	63.2	65.8	66.4	67.8	68.4
≥10000	48.7	59.9	61.8	62.5	63.8	63.8	65.1	65.1	65.8	67.1	68.4	68.4	71.1	71.7	73.0	73.7
≥9000	48.7	59.9	61.8	62.5	63.8	63.8	65.1	65.1	65.8	67.1	68.4	68.4	71.1	71.7	73.0	73.7
≥8000	53.9	66.4	68.4	69.1	70.4	70.4	71.7	71.7	72.4	73.7	75.0	75.0	77.6	78.3	79.6	80.3
≥7000	55.3	67.8	69.7	70.4	72.4	72.4	73.7	73.7	74.3	75.7	77.0	77.0	79.6	80.3	81.6	82.2
≥6000	55.9	69.1	71.1	71.7	73.7	73.7	75.0	75.0	75.7	77.0	78.3	78.3	80.9	81.6	82.9	83.6
≥5000	56.6	70.4	72.4	73.0	75.0	75.0	76.3	76.3	77.0	78.3	79.6	79.6	82.2	82.9	84.2	84.9
≥4500	56.6	70.4	72.4	73.0	75.0	75.0	76.3	76.3	77.0	78.3	79.6	79.6	82.2	82.9	84.2	84.9
≥4000	56.6	70.4	72.4	73.0	75.0	75.0	76.3	76.3	77.0	78.3	79.6	79.6	82.2	82.9	84.2	84.9
≥3500	57.2	71.1	73.0	73.7	76.3	76.3	77.6	77.6	78.3	79.6	80.9	80.9	83.6	84.2	85.5	86.2
≥3000	57.9	73.7	76.3	77.0	80.3	80.3	81.6	81.6	82.2	83.6	84.9	84.9	87.5	88.2	89.5	90.1
≥2500	57.9	75.0	77.6	79.6	82.9	82.9	84.2	84.2	84.9	86.2	87.5	87.5	90.1	90.8	92.1	92.8
≥2000	57.9	75.0	77.6	79.6	82.9	82.9	84.2	84.2	84.9	86.2	87.5	87.5	90.1	90.8	92.1	92.8
≥1800	57.9	75.0	77.6	79.6	83.6	83.6	84.9	85.5	86.2	87.5	88.8	88.8	91.4	92.1	93.4	94.1
≥1600	57.9	75.0	77.6	79.6	84.2	84.2	85.5	86.2	87.5	88.8	90.1	90.1	92.8	93.4	94.7	95.4
≥1400	58.6	75.7	78.3	80.3	84.9	84.9	86.2	87.5	88.2	89.5	90.8	90.8	93.4	94.1	95.4	96.1
≥1200	58.6	76.3	78.9	80.9	86.2	86.2	88.8	90.1	90.8	92.1	93.4	93.4	96.1	96.7	98.0	98.7
≥1000	58.6	76.3	78.9	80.9	86.2	86.2	88.8	90.1	90.8	92.1	93.4	93.4	96.1	96.7	98.0	98.7
≥900	58.6	76.3	78.9	80.9	86.2	86.2	88.8	90.1	90.8	92.1	93.4	93.4	96.1	96.7	98.0	98.7
≥800	58.6	76.3	78.9	80.9	86.2	86.2	88.8	90.1	90.8	92.1	93.4	93.4	96.1	96.7	98.0	98.7
≥700	58.6	76.3	78.9	80.9	86.2	86.2	88.8	90.1	90.8	92.1	93.4	93.4	96.1	96.7	98.0	98.7
≥600	59.2	77.0	79.6	82.2	87.5	87.5	90.1	91.4	92.1	93.4	94.7	94.7	97.4	98.0	99.3	100.0
≥500	59.2	77.0	79.6	82.2	87.5	87.5	90.1	91.4	92.1	93.4	94.7	94.7	97.4	98.0	99.3	100.0
≥400	59.2	77.0	79.6	82.2	87.5	87.5	90.1	91.4	92.1	93.4	94.7	94.7	97.4	98.0	99.3	100.0
≥300	59.2	77.0	79.6	82.2	87.5	87.5	90.1	91.4	92.1	93.4	94.7	94.7	97.4	98.0	99.3	100.0
≥200	59.2	77.0	79.6	82.2	87.5	87.5	90.1	91.4	92.1	93.4	94.7	94.7	97.4	98.0	99.3	100.0
≥100	59.2	77.0	79.6	82.2	87.5	87.5	90.1	91.4	92.1	93.4	94.7	94.7	97.4	98.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 152

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-83
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0000
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	36.3	44.3	45.4	46.8	49.7	50.5	50.9	51.7	51.8	52.8	54.2	54.4	57.1	57.5	59.8	60.0
≥2000	38.3	46.2	47.4	48.7	51.7	52.4	52.8	53.6	53.8	54.8	56.1	56.3	59.7	59.4	61.7	61.9
≥1800	41.6	50.1	51.3	52.6	55.5	56.3	56.7	57.5	57.7	58.6	60.0	60.2	62.9	63.3	65.6	66.2
≥1600	42.7	51.3	52.4	53.8	56.7	57.5	57.9	58.6	58.8	59.8	61.2	61.4	64.1	64.5	66.8	67.4
≥1400	43.5	52.0	53.2	54.6	57.5	58.3	58.6	59.4	59.6	60.6	61.9	62.1	64.9	65.2	67.6	68.2
≥1200	43.7	52.2	53.4	54.8	57.7	58.4	58.8	59.6	59.8	60.8	62.1	62.3	65.0	65.4	67.8	68.3
≥1000	48.3	57.1	58.3	59.6	62.5	63.3	63.7	64.5	64.7	65.6	67.0	67.2	69.9	70.3	72.6	73.2
≥900	50.1	58.8	60.0	61.4	64.3	65.0	65.6	66.4	66.6	67.6	68.9	69.1	71.8	72.2	74.6	75.1
≥800	54.6	64.9	66.4	67.8	70.7	71.5	72.0	72.8	73.0	74.0	75.3	75.5	78.3	78.6	81.0	81.6
≥700	55.7	66.4	68.0	69.5	72.8	73.6	74.2	75.0	75.1	76.1	77.5	77.7	80.4	80.8	83.1	83.7
≥600	56.3	67.2	68.7	70.5	73.8	74.6	75.1	75.9	76.1	77.1	78.4	78.6	81.4	81.7	84.1	84.7
≥500	56.3	67.8	69.3	71.1	74.4	75.1	75.7	76.5	76.7	77.7	79.0	79.2	81.9	82.3	84.7	85.2
≥450	56.3	67.8	69.3	71.1	74.4	75.1	75.7	76.5	76.7	77.7	79.0	79.2	81.9	82.3	84.7	85.2
≥400	56.9	68.9	70.7	73.0	76.3	77.1	77.7	78.4	78.6	79.6	81.0	81.2	83.9	84.3	86.6	87.2
≥350	56.9	68.9	70.7	73.0	76.3	77.1	77.7	78.4	78.6	79.6	81.0	81.2	83.9	84.3	86.6	87.2
≥300	57.3	70.5	72.4	75.1	78.4	79.4	80.0	80.8	81.0	81.9	83.3	83.5	86.2	86.6	88.9	89.5
≥250	58.1	73.2	75.7	78.6	82.9	83.9	84.5	85.2	85.4	86.4	87.8	88.0	90.7	91.1	93.4	94.0
≥200	58.1	73.4	76.1	79.0	83.3	84.5	85.4	86.4	86.6	87.6	88.9	89.1	91.8	92.2	94.6	95.1
≥180	58.1	73.6	76.3	79.2	83.7	85.0	86.0	87.0	87.2	88.2	89.5	89.7	92.4	92.8	95.1	95.7
≥160	58.4	74.2	76.9	80.2	84.7	86.2	87.8	88.7	88.9	89.9	91.3	91.5	94.2	94.6	96.9	97.5
≥140	58.4	74.2	76.9	80.2	84.7	86.2	88.3	89.5	89.7	90.7	92.0	92.2	95.0	95.3	97.7	98.3
≥120	58.4	74.2	76.9	80.2	84.7	86.2	88.3	89.5	89.7	90.7	92.0	92.2	95.0	95.3	97.7	98.3
≥100	58.4	74.4	77.1	80.4	84.9	86.4	88.5	89.7	89.9	90.9	92.2	92.4	95.1	95.5	97.9	98.4
≥90	58.4	74.8	77.5	80.8	85.2	86.8	88.9	90.1	90.3	91.3	92.6	92.8	95.5	95.9	98.3	98.8
≥80	58.4	74.8	77.5	80.8	85.4	87.0	89.1	90.3	90.5	91.5	92.8	93.0	95.7	96.1	98.4	99.0
≥70	58.4	75.0	77.7	81.0	85.6	87.2	89.3	90.5	90.7	91.7	93.0	93.2	95.9	96.3	98.6	99.2
≥60	58.6	75.1	77.9	81.2	86.2	87.8	89.9	91.1	91.3	92.2	93.6	93.8	96.5	96.9	99.2	99.8
≥50	58.6	75.1	77.9	81.2	86.2	87.8	89.9	91.1	91.3	92.2	93.6	93.8	96.5	96.9	99.2	99.8
≥40	58.6	75.1	77.9	81.2	86.2	87.8	89.9	91.1	91.3	92.2	93.6	93.8	96.5	96.9	99.2	99.8
≥30	58.6	75.1	77.9	81.2	86.2	87.8	89.9	91.1	91.3	92.2	93.6	93.8	96.5	96.9	99.2	99.8
≥20	58.6	75.3	78.1	81.4	86.4	88.0	90.1	91.3	91.5	92.4	93.8	94.0	96.7	97.1	99.4	100.0
≥10	58.6	75.3	78.1	81.4	86.4	88.0	90.1	91.3	91.5	92.4	93.8	94.0	96.7	97.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 515

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

76-83

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	37.2	40.3	41.9	43.0	44.2	44.4	44.6	45.0	45.0	47.1	48.3	48.6	51.9	52.7	54.8	56.2
≥ 18000 ≥ 16000	38.8	41.9	43.4	44.6	45.7	45.9	46.1	46.5	46.5	48.6	49.8	50.2	54.1	54.6	57.0	58.3
≥ 14000 ≥ 12000	43.6	46.7	48.3	49.4	50.6	50.8	51.0	51.4	51.4	53.5	54.7	55.0	58.9	59.7	61.8	63.2
≥ 10000 ≥ 9000	44.4	47.5	49.0	50.2	51.4	51.6	51.7	52.1	52.1	54.3	55.4	55.8	59.7	60.5	62.6	64.0
≥ 8000 ≥ 7000	45.9	49.0	50.6	51.7	52.9	53.1	53.5	53.9	53.9	56.0	57.2	57.6	61.4	62.2	64.3	65.7
≥ 6000 ≥ 5000	47.3	50.4	51.9	53.1	54.3	54.5	54.8	55.2	55.2	57.4	58.5	58.9	62.8	63.6	65.7	67.1
≥ 4500 ≥ 4000	54.1	57.2	58.7	59.9	61.0	61.2	61.6	62.0	62.0	64.1	65.3	65.7	69.6	70.3	72.5	73.8
≥ 3000 ≥ 2000	56.4	59.5	61.0	62.2	63.4	63.6	64.0	64.3	64.3	66.5	67.6	68.0	71.9	72.7	74.8	76.2
≥ 1500 ≥ 1000	62.6	65.7	67.2	68.4	69.6	69.8	70.2	70.5	70.5	72.7	73.8	74.2	78.1	78.9	81.0	82.4
≥ 800 ≥ 600	64.1	67.8	69.4	70.5	71.7	71.9	72.3	72.7	72.7	74.8	76.0	76.4	80.2	81.0	83.1	84.5
≥ 450 ≥ 300	64.1	68.2	69.8	70.9	72.1	72.3	72.7	73.1	73.1	75.2	76.4	76.7	80.6	81.4	83.5	84.9
≥ 150 ≥ 100	64.3	68.8	70.3	71.5	72.7	72.9	73.3	73.6	73.6	75.8	76.9	77.3	81.2	82.0	84.1	85.5
≥ 80 ≥ 60	64.5	69.0	70.5	71.7	72.9	73.1	73.4	73.8	73.8	76.0	77.1	77.5	81.4	82.2	84.3	85.7
≥ 30 ≥ 20	65.3	70.2	71.9	73.0	75.4	75.6	76.0	76.4	76.4	78.5	79.7	80.0	83.9	84.7	86.8	88.2
≥ 10 ≥ 5	65.5	70.3	72.1	74.0	75.8	76.0	76.4	76.7	76.7	78.9	80.0	80.4	84.3	85.1	87.2	88.6
≥ 3 ≥ 1	66.5	71.5	73.4	75.4	77.5	77.9	78.3	78.7	78.7	80.8	82.0	82.4	86.2	87.0	89.1	90.5
≥ 0.5	67.6	73.4	75.8	78.1	81.2	80.8	81.6	82.0	82.0	84.1	85.3	85.7	89.5	90.3	92.4	93.8
≥ 0.2	67.8	74.4	77.1	79.5	82.2	83.5	84.7	85.3	85.3	87.4	88.6	89.0	92.8	93.6	95.7	97.1
≥ 0.1	67.8	74.4	77.1	79.5	82.2	83.5	84.7	85.3	85.3	87.4	88.6	89.0	92.8	93.6	95.7	97.1
≥ 0.05	68.2	75.2	78.1	80.4	83.7	85.1	86.2	86.8	87.0	89.1	90.3	90.7	94.6	95.3	97.5	98.8
≥ 0.02	68.2	75.2	78.1	80.4	83.7	85.5	86.6	87.4	87.6	89.7	90.9	91.3	95.2	95.9	98.1	99.4
≥ 0.01	68.2	75.2	78.1	80.4	83.7	85.5	86.6	87.4	87.6	89.7	90.9	91.3	95.2	95.9	98.1	99.4
≥ 0.005	68.2	75.4	78.3	80.6	83.9	85.7	86.8	87.6	87.8	89.9	91.1	91.5	95.3	96.1	98.3	99.6
≥ 0.002	68.2	75.4	78.3	80.6	84.1	85.9	87.0	87.8	88.0	90.1	91.3	91.7	95.5	96.3	98.4	99.8
≥ 0.001	68.2	75.4	78.3	80.6	84.1	85.9	87.0	87.8	88.0	90.1	91.3	91.7	95.5	96.3	98.4	99.8
≥ 0.0005	68.2	75.4	78.3	80.6	84.1	85.9	87.0	87.8	88.0	90.1	91.3	91.7	95.5	96.3	98.4	99.8
≥ 0.0002	68.2	75.4	78.3	80.6	84.1	85.9	87.0	87.8	88.0	90.1	91.3	91.7	95.5	96.3	98.4	99.8
≥ 0.0001	68.2	75.4	78.3	80.6	84.1	85.9	87.0	87.8	88.0	90.1	91.3	91.7	95.5	96.3	98.4	99.8

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT WAINWRIGHT AAF AK

78-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	40.9	41.9	42.2	42.6	43.4	43.6	44.4	44.6	44.6	45.5	45.9	45.9	49.2	49.6	52.7	53.7
≥ 20000	43.8	44.8	45.2	45.5	46.3	46.5	47.3	47.5	47.5	48.4	48.8	48.8	52.3	52.7	55.8	56.8
W 18000	49.4	50.8	51.2	51.6	52.3	52.5	53.3	53.5	53.5	54.5	54.8	54.8	58.3	58.7	61.8	62.8
W 16000	49.6	51.0	51.4	51.7	52.5	52.7	53.5	53.7	53.7	54.7	55.0	55.0	58.5	58.9	62.0	63.0
W 14000	51.9	53.7	54.3	54.7	55.4	55.6	56.4	56.6	56.6	57.6	57.9	57.9	61.4	61.8	64.9	65.9
W 12000	53.7	55.4	56.0	56.4	57.2	57.4	58.1	58.3	58.3	59.3	59.7	59.7	63.2	63.6	66.7	67.6
W 10000	59.1	61.2	61.8	62.4	63.2	63.4	64.1	64.3	64.3	65.3	65.7	65.7	69.2	69.6	72.7	73.6
W 9000	61.4	63.6	64.1	64.7	65.5	65.7	66.5	66.7	66.7	67.6	68.0	68.0	71.5	71.9	75.0	76.0
W 8000	68.8	70.9	71.5	72.1	72.9	73.1	73.8	74.0	74.0	75.0	75.4	75.4	78.9	79.3	82.4	83.3
W 7000	73.2	72.5	73.1	73.6	74.4	74.6	75.4	75.6	75.6	76.6	76.9	76.9	80.4	80.8	83.9	84.9
W 6000	70.2	72.7	73.3	73.8	74.6	74.8	75.6	75.8	75.8	76.7	77.1	77.1	80.6	81.0	84.1	85.1
W 5000	70.9	73.6	74.2	74.8	75.6	75.8	76.6	76.7	76.7	77.7	78.1	78.1	81.6	82.0	85.1	86.0
W 4500	70.9	73.6	74.2	74.8	75.6	75.8	76.6	76.7	76.7	77.7	78.1	78.1	81.6	82.0	85.1	86.0
W 4000	72.7	75.6	76.2	76.7	78.1	78.3	79.1	79.3	79.3	80.2	80.6	80.6	84.1	84.5	87.6	88.6
W 3500	72.7	75.8	76.4	76.9	78.5	78.7	79.5	79.7	79.7	80.6	81.0	81.0	84.5	84.9	88.0	89.0
W 3000	73.4	77.3	78.5	79.1	81.6	82.0	82.9	83.1	83.1	84.1	84.5	84.5	88.0	88.4	91.5	92.4
W 2500	74.0	78.5	79.8	80.6	83.5	83.9	84.9	85.3	85.3	86.2	86.6	86.6	90.1	90.5	93.6	94.6
W 2000	74.2	79.1	80.6	81.6	84.5	85.5	87.0	87.6	87.6	88.8	89.1	89.1	92.6	93.0	96.1	97.1
W 1800	74.2	79.1	80.6	81.6	84.5	85.5	87.0	87.6	87.6	89.0	89.3	89.3	92.8	93.2	96.3	97.3
W 1500	74.2	79.1	80.6	81.6	85.7	86.6	88.2	88.8	88.8	90.1	90.5	90.5	94.0	94.4	97.5	98.4
W 1200	74.4	79.3	80.8	82.0	85.9	86.8	88.4	89.0	89.0	90.3	90.7	90.7	94.2	94.6	97.7	98.6
W 1000	74.4	79.3	80.8	82.0	85.9	87.0	88.6	89.1	89.1	90.9	91.7	91.7	95.2	95.5	98.6	99.6
W 900	74.4	79.3	80.8	82.0	85.9	87.0	88.6	89.1	89.1	90.9	91.7	91.7	95.2	95.5	98.6	99.6
W 800	74.4	79.3	80.8	82.0	85.9	87.0	88.6	89.1	89.1	90.9	91.7	91.7	95.2	95.5	98.6	99.6
W 700	74.4	79.3	80.8	82.0	85.9	87.0	88.6	89.1	89.1	90.9	91.7	91.7	95.2	95.5	98.6	99.6
W 600	74.4	79.3	80.8	82.0	85.9	87.0	88.6	89.1	89.1	90.9	91.7	91.7	95.2	95.5	98.6	99.6
W 500	74.4	79.3	80.8	82.0	85.9	87.2	88.8	89.3	89.3	91.1	91.9	91.9	95.3	95.7	98.8	99.8
W 400	74.4	79.3	80.8	82.0	85.9	87.2	88.8	89.3	89.3	91.3	92.1	92.1	95.5	95.9	99.0	100.0
W 300	74.4	79.3	80.8	82.0	85.9	87.2	88.8	89.3	89.3	91.3	92.1	92.1	95.5	95.9	99.0	100.0
W 200	74.4	79.3	80.8	82.0	85.9	87.2	88.8	89.3	89.3	91.3	92.1	92.1	95.5	95.9	99.0	100.0
W 100	74.4	79.3	80.8	82.0	85.9	87.2	88.8	89.3	89.3	91.3	92.1	92.1	95.5	95.9	99.0	100.0
W 0	74.4	79.3	80.8	82.0	85.9	87.2	88.8	89.3	89.3	91.3	92.1	92.1	95.5	95.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

78-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	44.0	45.1	45.3	46.1	46.7	47.3	47.7	47.9	48.1	49.2	49.8	49.8	52.3	53.1	56.2	56.8
≥ 20000	47.1	48.2	48.4	49.2	49.8	50.8	50.8	51.0	51.2	52.9	53.5	53.5	56.0	56.8	59.9	60.5
≥ 8000	49.8	51.2	51.4	52.1	52.7	53.3	53.7	53.9	54.1	55.8	56.4	56.4	58.9	59.7	62.8	63.4
≥ 6000	49.8	51.2	51.4	52.1	52.7	53.3	53.7	53.9	54.1	55.8	56.4	56.4	58.9	59.7	62.8	63.4
≥ 4000	49.8	51.8	51.9	52.7	53.3	53.9	54.3	54.5	54.7	56.4	57.0	57.0	59.5	60.3	63.4	64.0
≥ 3000	52.9	55.3	55.4	56.2	56.8	57.4	57.8	58.0	58.2	59.9	60.5	60.5	63.0	63.8	66.9	67.5
≥ 2000	56.4	58.8	58.9	59.7	60.5	61.1	61.5	61.7	61.9	63.6	64.2	64.4	67.3	68.1	71.2	71.8
≥ 1000	58.6	61.1	61.3	62.1	62.8	63.4	63.8	64.0	64.2	66.0	66.5	66.7	69.6	70.4	73.5	74.1
≥ 800	65.2	67.7	67.9	68.7	69.5	70.0	70.4	70.6	70.8	72.6	73.2	73.3	76.3	77.0	80.2	80.7
≥ 700	67.3	69.8	70.4	71.2	72.0	72.6	73.0	73.2	73.3	75.1	75.7	75.9	78.8	79.6	82.7	83.3
≥ 6000	67.3	70.0	70.8	71.6	72.4	73.0	73.3	73.5	73.7	75.5	76.1	76.3	79.2	80.0	83.1	83.7
≥ 5000	67.9	71.2	72.0	72.8	73.5	74.1	74.5	74.7	74.9	76.7	77.2	77.4	80.4	81.1	84.2	84.8
≥ 4500	67.9	71.6	72.4	73.3	74.1	74.7	75.1	75.3	75.5	77.2	77.8	78.0	80.9	81.7	84.8	85.4
≥ 4000	69.1	72.8	73.7	74.9	76.1	76.8	77.2	77.6	77.8	79.6	80.2	80.4	83.3	84.0	87.2	87.7
≥ 3500	69.6	74.5	75.5	76.8	78.2	79.0	79.4	79.8	80.0	81.7	82.3	82.5	85.4	86.2	89.3	89.9
≥ 3000	70.2	75.5	76.8	78.2	80.2	80.9	81.3	81.9	82.1	83.9	84.4	84.6	87.5	88.3	91.4	92.0
≥ 2500	70.2	75.9	78.0	80.4	82.7	83.5	83.9	84.4	84.6	86.4	87.0	87.2	90.1	90.9	94.0	94.6
≥ 2000	70.2	75.9	78.2	80.7	83.5	84.2	85.0	85.6	85.8	87.5	88.1	88.3	91.2	92.0	95.1	95.7
≥ 1800	70.2	75.9	78.2	80.7	83.5	84.2	85.0	85.6	85.8	87.5	88.1	88.3	91.2	92.0	95.1	95.7
≥ 1600	70.2	76.3	78.6	81.3	85.0	85.8	86.6	87.4	87.5	89.5	90.1	90.3	93.2	94.0	97.1	97.7
≥ 1400	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 1200	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 1000	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 900	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 800	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 700	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 600	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 500	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 400	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 300	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 200	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 100	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4
≥ 0	70.2	76.3	78.6	81.3	85.0	86.0	86.8	87.5	87.9	90.3	90.9	91.1	94.0	94.7	97.9	98.4

TOTAL NUMBER OF OBSERVATIONS 518

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

78-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO. CEILING	41.9	46.1	46.7	47.8	48.6	49.2	49.8	51.0	51.4	53.5	54.3	54.5	57.3	57.3	59.6	59.6
≥ 20000	43.1	47.2	47.8	49.0	49.8	50.4	51.0	52.2	52.6	54.7	55.5	55.7	58.5	58.5	60.8	60.8
≥ 18000	46.7	51.0	51.6	52.8	53.5	54.1	54.7	55.9	56.3	58.5	59.3	59.4	62.2	62.2	64.6	64.6
≥ 16000	46.7	51.0	51.6	52.8	53.5	54.1	54.7	55.9	56.3	58.5	59.3	59.4	62.2	62.2	64.6	64.6
≥ 14000	47.0	51.6	52.2	53.3	54.1	54.7	55.3	56.5	56.9	59.1	59.8	60.0	62.8	62.8	65.2	65.2
≥ 12000	50.6	55.3	55.9	57.1	57.9	58.5	59.1	60.2	60.6	62.8	63.6	63.8	66.5	66.5	68.9	68.9
≥ 10000	55.7	61.0	61.8	63.0	63.8	64.4	65.0	66.1	66.5	68.7	69.5	69.7	73.0	73.0	75.4	75.4
≥ 9000	56.5	62.0	62.8	64.0	64.8	65.4	65.9	67.1	67.5	69.7	70.5	70.7	74.0	74.0	76.4	76.4
≥ 8000	61.0	66.9	67.7	68.9	69.7	70.3	70.9	72.0	72.4	74.6	75.4	75.6	78.9	78.9	81.3	81.3
≥ 7000	62.6	69.1	69.9	71.1	71.9	72.4	73.0	74.2	74.6	76.8	77.6	77.8	81.1	81.1	83.5	83.5
≥ 6000	62.6	69.9	70.9	72.0	72.8	73.4	74.0	75.2	75.6	77.8	78.5	78.7	82.1	82.1	84.4	84.4
≥ 5000	63.6	71.3	72.2	73.4	74.2	74.8	75.4	76.6	77.0	79.1	79.9	80.1	83.5	83.5	85.8	85.8
≥ 4500	63.8	71.5	72.4	73.6	74.4	75.0	75.6	76.8	77.2	79.3	80.1	80.3	83.7	83.7	86.0	86.0
≥ 4000	65.4	73.4	75.2	76.4	77.6	78.1	78.7	79.9	80.3	82.5	83.3	83.5	86.8	86.8	89.2	89.2
≥ 3500	65.7	74.0	75.8	77.0	78.7	79.3	79.9	81.1	81.5	83.7	84.4	84.6	88.0	88.0	90.4	90.4
≥ 3000	65.7	74.2	76.0	77.8	79.7	80.5	81.1	82.3	82.7	84.8	85.6	85.8	89.2	89.2	91.5	91.5
≥ 2500	65.9	75.4	77.6	79.5	81.9	82.7	83.5	84.6	85.0	87.2	88.0	88.2	91.5	91.5	93.9	93.9
≥ 2000	65.9	75.6	78.3	80.5	83.5	84.6	85.8	87.0	87.4	89.8	90.6	90.7	94.1	94.1	96.5	96.5
≥ 1800	65.9	75.6	78.3	80.5	83.5	84.6	85.8	87.0	87.4	89.8	90.6	90.7	94.1	94.1	96.5	96.5
≥ 1500	66.1	76.0	78.7	80.9	83.9	85.4	87.0	88.4	88.8	91.1	91.9	92.1	95.5	95.5	97.8	97.8
≥ 1200	66.1	76.0	78.7	80.9	83.9	85.4	87.0	88.4	88.8	91.1	91.9	92.1	95.5	95.5	97.8	97.8
≥ 1000	66.3	76.2	78.9	81.1	84.1	85.8	87.4	88.8	89.2	91.5	92.3	92.5	95.9	95.9	98.2	98.2
≥ 900	66.3	76.2	78.9	81.1	84.1	85.8	87.4	88.8	89.2	91.7	92.7	92.9	96.3	96.3	98.6	98.6
≥ 800	66.3	76.2	78.9	81.1	84.1	85.8	87.4	88.8	89.2	92.1	93.1	93.3	96.7	96.7	99.0	99.0
≥ 700	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.7	93.9	97.2	97.2	99.6	99.6
≥ 600	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.7	93.9	97.2	97.2	99.6	99.6
≥ 500	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.7	93.9	97.2	97.2	99.6	99.6
≥ 400	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.7	93.9	97.2	97.2	99.6	99.6
≥ 300	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.7	93.9	97.2	97.2	99.6	99.6
≥ 200	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.7	93.9	97.2	97.2	99.6	99.6
≥ 100	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.9	94.1	97.4	97.4	99.8	99.8
≥ 0	66.5	76.8	79.5	81.7	84.6	86.4	88.0	89.4	89.8	92.7	93.9	94.1	97.4	97.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 508

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

79-83

AAH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	43.0	49.6	49.6	51.1	52.6	52.6	52.6	53.3	54.1	56.3	58.5	59.3	63.0	63.7	65.2	65.2
≥ 20000	43.7	50.4	50.4	51.9	53.3	53.3	53.3	54.1	54.8	57.0	59.3	60.0	63.7	64.4	65.9	65.9
≥ 18000	48.1	54.8	54.8	56.3	57.8	57.8	57.8	58.5	59.3	61.5	63.7	64.4	68.1	68.9	70.4	70.4
≥ 16000	48.1	54.8	54.8	56.3	57.8	57.8	57.8	58.5	59.3	61.5	63.7	64.4	68.1	68.9	70.4	70.4
≥ 14000	48.9	55.6	55.6	57.0	58.5	58.5	58.5	59.3	60.0	62.2	64.4	65.2	68.9	69.6	71.1	71.1
≥ 12000	51.1	57.8	57.8	59.3	60.7	60.7	60.7	61.5	62.2	64.4	66.7	67.4	71.1	71.9	73.3	73.3
≥ 10000	57.0	64.4	64.4	65.9	67.4	67.4	67.4	68.1	68.9	71.1	73.3	74.1	78.5	79.3	80.7	80.7
≥ 9000	57.0	65.2	65.2	66.7	68.1	68.1	68.1	68.9	69.6	71.9	74.1	74.8	79.3	80.0	81.5	81.5
≥ 8000	61.5	70.4	70.4	71.9	73.3	73.3	73.3	74.1	74.8	77.0	79.3	80.0	84.4	85.2	86.7	86.7
≥ 7000	64.4	73.3	73.3	74.8	76.3	76.3	76.3	77.0	77.8	80.0	82.2	83.0	87.4	88.1	89.6	89.6
≥ 6000	64.4	73.3	73.3	74.8	76.3	76.3	76.3	77.0	77.8	80.0	82.2	83.0	87.4	88.1	89.6	89.6
≥ 5000	65.2	74.1	74.8	76.3	77.8	77.8	77.8	78.5	79.3	81.5	83.7	84.4	88.9	89.6	91.1	91.1
≥ 4500	65.9	74.8	75.6	77.0	78.5	78.5	78.5	79.3	80.0	82.2	84.4	85.2	89.6	90.4	91.9	91.9
≥ 4000	65.9	74.8	75.6	77.0	78.5	78.5	78.5	79.3	80.0	82.2	84.4	85.2	89.6	90.4	91.9	91.9
≥ 3500	66.7	75.6	76.3	77.8	79.3	79.3	79.3	80.0	80.7	83.0	85.2	85.9	90.4	91.1	92.6	92.6
≥ 3000	66.7	75.6	76.3	77.8	80.0	80.0	80.0	80.7	81.5	83.7	85.9	86.7	91.1	91.9	93.3	93.3
≥ 2500	66.7	75.6	76.3	77.8	80.0	80.0	80.0	80.7	81.5	83.7	85.9	86.7	91.1	91.9	93.3	93.3
≥ 2000	66.7	76.3	77.8	80.0	83.0	83.0	83.0	84.4	85.2	85.9	88.1	90.4	91.1	95.6	96.3	97.8
≥ 1800	66.7	76.3	77.8	80.0	83.0	83.0	83.0	84.4	85.2	85.9	88.1	90.4	91.1	95.6	96.3	97.8
≥ 1500	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.1	91.9	96.3	97.0	98.5
≥ 1200	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.1	91.9	96.3	97.0	98.5
≥ 1000	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.1	91.9	96.3	97.0	98.5
≥ 900	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	97.0	97.8	99.3
≥ 800	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 700	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 600	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 500	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 400	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 300	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 200	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 100	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 50	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5
≥ 0	66.7	77.0	78.5	80.7	83.7	83.7	83.7	85.2	85.9	86.7	88.9	91.9	92.6	93.3	97.8	98.5

TOTAL NUMBER OF OBSERVATIONS 135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615

FT WAINWRIGHT AAF AK

78-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. OF 20000	40.0	44.0	44.9	45.8	47.1	47.5	48.0	48.5	48.7	50.2	51.2	51.4	54.3	54.8	57.3	57.8
18000	42.0	46.0	46.8	47.8	49.1	49.5	50.0	50.5	50.7	52.3	53.3	53.5	56.5	57.0	59.5	60.1
16000	46.1	50.4	51.2	52.2	53.4	53.9	54.3	54.9	55.1	56.7	57.6	57.8	60.9	61.4	63.9	64.5
14000	46.5	50.8	51.6	52.6	53.8	54.2	54.7	55.3	55.5	57.1	58.0	58.2	61.3	61.8	64.3	64.9
12000	47.4	51.9	52.8	53.7	55.0	55.4	56.0	56.5	56.7	58.3	59.2	59.4	62.5	63.0	65.5	66.1
10000	49.4	54.0	54.8	55.8	57.0	57.5	58.0	58.5	58.7	60.3	61.3	61.4	64.5	65.0	67.5	68.2
8000	54.5	59.3	60.2	61.2	62.5	63.0	63.5	64.0	64.2	65.8	66.8	67.0	70.3	70.8	73.2	73.9
6000	56.2	61.1	62.0	63.0	64.3	64.7	65.3	65.8	66.0	67.6	68.6	68.8	72.1	72.6	75.1	75.7
4000	61.9	67.3	68.3	69.3	70.6	71.0	71.6	72.1	72.3	73.9	74.9	75.1	78.4	78.9	81.3	82.0
2000	63.5	69.3	70.3	71.3	72.7	73.1	73.7	74.2	74.4	76.1	77.0	77.2	80.5	81.0	83.5	84.1
1500	63.7	69.7	70.8	71.9	73.3	73.7	74.3	74.8	75.0	76.6	77.6	77.8	81.1	81.6	84.1	84.7
1000	64.2	70.7	71.8	72.9	74.3	74.7	75.3	75.8	76.0	77.6	78.6	78.8	82.1	82.6	85.0	85.7
800	64.3	70.9	72.0	73.1	74.5	74.9	75.5	76.0	76.2	77.8	78.8	79.0	82.3	82.8	85.3	85.9
600	65.4	72.2	73.6	75.0	76.7	77.2	77.7	78.3	78.5	80.1	81.1	81.3	84.6	85.0	87.5	88.2
400	65.7	72.8	74.1	75.6	77.5	78.0	78.5	79.1	79.3	80.9	81.9	82.1	85.4	85.9	88.3	89.0
200	66.2	73.9	75.5	77.1	79.6	80.1	80.7	81.3	81.5	83.2	84.1	84.3	87.6	88.1	90.6	91.2
100	66.7	75.3	77.3	79.4	82.2	82.8	83.5	84.1	84.3	86.0	86.9	87.1	90.4	90.9	93.4	94.0
50	66.7	75.7	78.0	80.2	83.3	84.3	85.5	86.2	86.4	88.1	89.1	89.3	92.6	93.1	95.6	96.2
25	66.7	75.7	78.1	80.3	83.4	84.5	85.6	86.4	86.6	88.3	89.3	89.5	92.8	93.2	95.7	96.4
10	66.8	76.1	78.5	80.8	84.5	85.6	86.9	87.8	88.0	89.8	90.7	90.9	94.2	94.7	97.2	97.9
5	67.0	76.2	78.6	80.9	84.6	85.7	87.0	87.9	88.2	89.9	90.9	91.1	94.4	94.9	97.3	98.0
2	67.0	76.3	78.7	81.0	84.7	86.0	87.5	88.4	88.7	90.6	91.6	91.8	95.1	95.6	98.1	98.8
1	67.0	76.3	78.7	81.0	84.7	86.0	87.5	88.4	88.7	90.7	91.7	91.9	95.2	95.7	98.2	98.9
0	67.0	76.3	78.7	81.0	84.7	86.0	87.5	88.5	88.8	90.9	91.9	92.2	95.4	95.9	98.4	99.1
1	67.1	76.5	79.0	81.3	85.0	86.3	87.8	88.8	89.0	91.2	92.3	92.5	95.8	96.3	98.7	99.4
2	67.1	76.5	79.0	81.3	85.2	86.4	88.0	88.9	89.2	91.4	92.4	92.6	95.9	96.4	98.9	99.6
3	67.1	76.6	79.0	81.4	85.2	86.5	88.0	89.0	89.3	91.5	92.5	92.8	96.0	96.5	99.0	99.7
4	67.1	76.6	79.1	81.4	85.3	86.6	88.2	89.1	89.4	91.6	92.7	92.9	96.2	96.7	99.2	99.9
5	67.1	76.6	79.1	81.4	85.3	86.6	88.2	89.1	89.4	91.6	92.7	92.9	96.2	96.7	99.2	99.9
6	67.1	76.6	79.1	81.4	85.3	86.7	88.2	89.2	89.5	91.7	92.8	93.0	96.3	96.8	99.3	100.0
7	67.1	76.6	79.1	81.4	85.3	86.7	88.2	89.2	89.5	91.7	92.8	93.0	96.3	96.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2856

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702635

FT WAINWRIGHT AAF AK

77-83

566

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.8	≥0.6	≥0.4	≥0.3	≥0.2	≥0.1	≥0
NO CEILING ≥ 2000	34.1	38.4	40.6	40.6	43.5	47.1	47.1	47.8	47.8	49.3	50.7	50.7	50.7	50.7	52.2	52.2
≥ 18000 ≥ 16000	36.2	40.6	42.8	42.8	45.7	49.3	49.3	50.0	50.0	51.4	52.9	52.9	52.9	52.9	54.3	54.3
≥ 14000 ≥ 12000	38.4	43.5	45.7	45.7	48.6	52.2	52.2	52.9	52.9	54.3	55.8	55.8	55.8	55.8	57.2	57.2
≥ 10000 ≥ 9000	39.1	44.9	47.1	47.1	50.0	53.6	53.6	54.3	54.3	55.8	57.2	57.2	57.2	57.2	58.7	58.7
≥ 8000 ≥ 7000	42.0	47.8	50.0	50.0	52.9	56.5	56.5	57.2	57.2	58.7	60.1	60.1	60.1	60.1	61.6	61.6
≥ 6000 ≥ 5000	47.1	53.6	55.8	55.8	58.7	62.3	62.3	63.0	63.0	64.5	65.9	65.9	65.9	65.9	67.4	67.4
≥ 4500 ≥ 4000	49.3	55.8	58.0	58.0	60.9	64.5	64.5	65.2	65.2	66.7	68.1	68.1	68.1	68.1	69.6	69.6
≥ 3500 ≥ 3000	52.2	59.4	61.6	61.6	64.5	68.1	68.1	68.8	68.8	70.3	71.7	71.7	71.7	71.7	73.2	73.2
≥ 2500 ≥ 2000	54.3	61.6	63.8	63.8	66.7	70.3	70.3	71.0	71.0	72.5	73.9	73.9	73.9	73.9	75.4	75.4
≥ 1800 ≥ 1500	55.8	64.5	66.7	66.7	69.6	73.2	73.2	73.9	73.9	75.4	76.8	76.8	76.8	76.8	78.3	78.3
≥ 1200 ≥ 1000	56.5	65.2	67.4	67.4	70.3	73.9	73.9	74.6	74.6	76.1	77.5	77.5	77.5	77.5	79.0	79.0
≥ 900 ≥ 800	59.4	68.8	71.0	71.0	74.6	78.3	78.3	79.0	79.0	80.4	81.9	81.9	81.9	81.9	83.3	83.3
≥ 700 ≥ 600	60.1	69.6	71.7	71.7	75.4	79.0	79.0	79.7	79.7	81.2	82.6	82.6	82.6	82.6	84.1	84.1
≥ 500 ≥ 400	62.3	71.7	74.6	74.6	79.0	82.6	82.6	83.3	83.3	84.8	86.2	86.2	86.2	86.2	87.7	87.7
≥ 300 ≥ 200	63.8	75.4	78.3	78.3	83.3	87.0	87.0	87.7	87.7	89.1	90.6	90.6	90.6	90.6	92.0	92.0
≥ 180 ≥ 150	63.8	76.1	79.0	79.0	84.1	87.7	87.7	88.4	88.4	89.9	91.3	91.3	91.3	91.3	92.8	92.8
≥ 120 ≥ 100	63.8	76.8	79.7	79.7	84.8	88.4	88.4	89.1	89.1	90.6	92.0	92.0	92.0	92.0	93.5	93.5
≥ 90 ≥ 80	64.5	77.5	80.4	80.4	85.5	89.1	89.1	89.8	89.8	91.3	92.8	92.8	92.8	92.8	94.2	94.2
≥ 70 ≥ 60	64.5	78.3	81.2	81.2	86.2	89.8	89.8	90.5	90.5	92.0	93.5	93.5	93.5	93.5	95.0	95.0
≥ 50 ≥ 40	64.5	78.3	81.2	81.2	86.2	89.8	89.8	90.5	90.5	92.0	93.5	93.5	93.5	93.5	95.0	95.0
≥ 30 ≥ 20	64.5	78.3	81.2	81.2	86.2	89.8	89.8	90.5	90.5	92.0	93.5	93.5	93.5	93.5	95.0	95.0
≥ 10 ≥ 0	64.5	78.3	81.2	81.2	86.2	89.8	89.8	90.5	90.5	92.0	93.5	93.5	93.5	93.5	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 138

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-83

FFF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-2400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥2000	35.2	41.6	41.6	42.0	42.7	44.1	44.1	45.6	45.9	46.4	48.5	48.5	50.7	51.1	52.8	53.4
1800	38.3	43.7	44.7	45.1	46.0	47.4	47.4	48.9	49.1	49.7	51.8	51.8	54.2	54.5	56.3	56.9
1600	40.6	46.2	47.4	47.8	48.9	50.3	50.3	51.8	52.0	52.6	54.7	54.7	57.1	57.4	59.4	60.0
1400	41.0	46.6	47.8	48.2	49.3	50.7	50.7	52.2	52.4	53.0	55.1	55.1	57.4	57.8	59.8	60.3
1200	41.8	48.0	49.1	49.5	51.7	52.0	52.0	53.6	53.8	54.4	56.5	56.5	58.8	59.2	61.1	61.7
1000	43.7	49.9	51.1	51.5	52.6	54.0	54.0	55.5	55.7	56.5	58.6	58.6	60.9	61.3	63.2	63.8
800	48.5	54.9	56.1	56.5	57.6	59.0	59.0	60.5	60.7	61.5	63.6	63.6	66.0	66.3	68.3	68.9
600	49.9	56.3	57.4	57.8	59.0	60.3	60.3	61.9	62.1	62.9	65.0	65.0	67.3	67.7	69.6	70.2
400	54.9	61.9	63.2	63.6	64.8	66.3	66.3	67.9	68.1	68.9	71.0	71.0	73.3	73.7	75.8	76.4
200	57.3	64.6	66.0	66.5	67.7	69.2	69.2	70.8	71.0	71.8	73.9	73.9	76.2	76.6	78.7	79.3
100	57.4	64.8	66.2	66.7	67.9	69.4	69.4	71.0	71.2	72.0	74.1	74.1	76.4	76.8	78.9	79.5
50	58.6	66.7	68.1	68.7	69.8	71.4	71.4	72.9	73.1	73.9	76.0	76.0	78.3	78.7	80.9	81.4
25	59.2	67.3	68.7	69.2	70.6	72.1	72.1	73.7	73.9	74.7	76.8	76.8	79.1	79.5	81.6	82.2
15	60.3	68.9	70.2	71.0	72.9	74.5	74.5	76.2	76.4	77.2	79.3	79.3	81.6	82.0	84.1	84.7
10	62.7	71.2	72.5	73.3	75.2	76.8	77.0	78.5	78.7	79.5	81.6	81.6	83.9	84.3	86.5	87.0
5	63.8	72.9	74.3	75.6	77.8	79.3	79.5	81.0	81.2	82.0	84.1	84.1	86.5	86.8	89.0	89.6
3	64.6	75.2	77.6	78.9	81.0	82.6	82.8	84.3	84.5	85.3	87.8	87.8	90.1	90.5	92.6	93.2
2	65.4	76.8	79.1	80.7	83.2	85.3	85.5	87.0	87.2	88.0	90.5	90.5	92.8	93.2	95.4	95.9
1	65.4	76.8	79.1	80.7	83.2	85.3	85.5	87.0	87.2	88.0	90.5	90.5	92.8	93.2	95.4	95.9
0.5	65.4	77.0	79.9	81.4	83.9	86.3	86.7	88.2	88.4	89.6	92.1	92.1	94.4	94.8	96.9	97.5
0.25	65.8	77.4	80.3	81.8	84.5	86.8	87.2	88.8	89.0	90.1	92.6	92.6	95.0	95.4	97.5	98.1
0.1	65.8	77.8	80.9	82.4	85.1	87.4	87.8	89.4	89.6	90.7	93.2	93.2	95.6	95.9	98.1	98.6
0.05	65.8	77.8	80.9	82.4	85.1	87.4	87.8	89.4	89.6	90.7	93.2	93.2	95.7	96.1	98.5	99.0
0.025	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.01	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.005	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.0025	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.001	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.0005	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.00025	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.0001	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.00005	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.000025	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2
0.00001	66.0	77.9	81.0	82.6	85.3	87.6	88.0	89.6	89.7	90.9	93.4	93.4	95.9	96.3	98.6	99.2

TOTAL NUMBER OF OBSERVATIONS 517

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT MAINWRIGHT AAF AK

77-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
21000	39.5	42.5	42.7	42.7	43.3	43.7	44.0	44.6	44.6	45.6	47.1	47.3	48.8	49.2	51.0	51.9
20000	40.6	44.8	45.4	45.8	46.3	46.7	47.1	47.7	47.7	48.7	50.2	50.4	52.3	52.7	54.4	55.4
18000	43.4	48.3	48.8	49.2	49.8	50.2	50.6	51.2	51.2	52.1	53.7	53.8	55.9	56.2	57.9	58.8
16000	44.8	49.4	50.0	50.8	51.5	51.9	52.3	52.9	52.9	53.8	55.4	55.4	57.5	57.9	59.6	60.6
14000	45.9	50.4	51.0	51.7	52.5	52.9	53.3	53.8	53.8	54.8	56.3	56.5	58.5	58.8	60.6	61.5
12000	50.6	55.2	55.8	56.5	57.3	57.7	58.1	58.7	58.7	59.6	61.2	61.3	63.3	63.7	65.4	66.3
10000	55.2	59.8	60.4	61.2	61.9	62.3	62.7	63.3	63.3	64.2	65.8	66.0	67.9	68.3	70.0	71.0
8000	56.7	61.3	61.9	62.7	63.5	63.8	64.2	64.8	64.8	65.8	67.3	67.5	69.4	69.8	71.5	72.5
6000	61.3	67.1	68.1	68.8	69.6	70.0	70.4	71.0	71.0	71.9	73.5	73.7	75.6	76.0	77.9	78.8
4000	66.3	72.5	73.7	74.4	75.4	75.8	76.2	76.7	76.7	77.7	79.2	79.4	81.3	81.7	83.7	84.6
2000	66.5	72.7	73.8	74.6	75.6	76.0	76.3	76.9	76.9	77.9	79.4	79.6	81.5	81.9	83.8	84.8
1000	67.1	73.5	74.8	75.6	76.5	76.9	77.3	77.9	77.9	78.8	80.4	80.6	82.5	82.9	84.8	85.8
500	67.7	74.0	75.6	76.3	77.3	77.7	78.1	78.7	78.7	79.6	81.2	81.3	83.3	83.7	85.6	86.5
250	69.8	76.2	77.9	78.7	79.6	80.2	80.6	81.2	81.2	82.1	83.7	83.8	85.8	86.2	88.1	89.0
125	70.4	76.9	78.8	79.6	80.6	81.3	81.7	82.3	82.3	83.3	84.8	85.0	86.9	87.3	89.2	90.2
62.5	71.7	77.7	79.6	80.4	81.9	82.7	83.1	83.8	83.8	84.8	86.3	86.5	88.5	88.8	90.8	91.7
31.25	71.2	78.3	80.6	81.7	83.8	85.0	85.6	86.9	86.9	87.9	89.4	89.6	91.5	91.9	93.4	94.8
15.625	71.3	78.8	81.2	82.3	84.8	86.2	86.7	88.1	88.1	89.0	90.6	90.8	92.7	93.1	95.0	96.0
7.8125	71.3	78.8	81.2	82.3	84.8	86.2	86.7	88.1	88.1	89.0	90.6	90.8	92.7	93.1	95.0	96.0
3.90625	71.5	79.0	81.3	82.5	85.0	86.3	86.9	88.3	88.3	89.4	91.3	91.5	93.5	93.8	95.8	96.7
1.953125	71.5	79.0	81.3	82.5	85.0	86.3	86.9	88.3	88.3	89.4	91.3	91.5	93.7	94.0	96.0	96.9
976.5625	71.5	79.0	81.3	82.5	85.0	86.3	86.9	88.3	88.3	89.4	91.3	91.5	93.7	94.0	96.0	96.9
488.28125	71.9	79.4	81.7	82.9	85.4	86.7	87.3	88.7	88.7	90.0	92.3	92.9	95.0	95.6	97.5	98.5
244.140625	71.9	79.4	81.7	83.1	85.6	86.9	87.5	88.8	88.8	90.2	92.5	93.1	95.4	96.0	97.9	98.8
122.0703125	71.9	80.0	82.3	83.7	86.2	87.5	88.1	89.4	89.4	90.8	93.1	93.7	96.0	96.5	98.5	99.4
61.03515625	71.9	80.0	82.3	83.7	86.2	87.5	88.1	89.4	89.4	90.8	93.1	93.8	96.2	96.7	98.8	99.8
30.517578125	71.9	80.0	82.3	83.7	86.2	87.5	88.1	89.4	89.4	90.8	93.1	93.8	96.2	96.7	98.8	99.8
15.2587890625	71.9	80.0	82.3	83.7	86.2	87.5	88.1	89.4	89.4	90.8	93.1	93.8	96.2	96.7	98.8	99.8
7.62939453125	71.9	80.0	82.3	83.7	86.2	87.5	88.1	89.4	89.4	90.8	93.1	93.8	96.2	96.7	98.8	99.8
3.814697265625	71.9	80.0	82.3	83.7	86.2	87.5	88.1	89.4	89.4	90.8	93.1	93.8	96.2	96.7	98.8	99.8

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-83

516

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	200	26	23	24	23	22	27	2	24	27	24	24	2	25	2	2
NO. OF OBS.	51.6	52.5	53.5	53.9	54.1	54.3	54.3	54.5	54.5	54.5	54.7	54.7	55.3	55.3	57.7	57.2
20000	54.3	55.3	56.2	56.6	56.8	57.0	57.2	57.2	57.2	57.2	57.4	57.4	58.0	58.0	59.7	59.9
18000	57.2	58.2	59.1	59.7	60.3	60.5	60.5	60.7	60.7	60.7	60.9	60.9	61.5	61.5	63.2	63.4
16000	57.2	58.2	59.1	59.7	60.3	60.5	60.5	60.7	60.7	60.7	60.9	60.9	61.5	61.5	63.2	63.4
14000	59.8	59.7	60.7	61.3	61.9	62.1	62.1	62.3	62.3	62.3	62.5	62.5	63.0	63.0	64.9	65.0
12000	63.4	64.4	65.4	66.0	66.5	66.7	66.7	66.9	66.9	66.9	67.1	67.1	67.9	67.9	69.5	69.8
10000	68.5	69.5	70.4	71.0	71.6	71.8	71.8	72.0	72.0	72.0	72.2	72.2	73.7	73.7	74.7	74.9
8000	73.6	71.6	72.6	73.2	73.7	73.9	73.9	74.1	74.1	74.1	74.3	74.3	75.1	75.1	76.8	77.0
6000	76.7	77.8	78.8	79.4	80.0	80.2	80.2	80.4	80.4	80.4	80.5	80.5	81.3	81.3	83.1	83.3
4000	80.4	81.7	82.9	83.5	84.0	84.2	84.2	84.4	84.4	84.4	84.6	84.6	85.4	85.4	87.2	87.4
2000	80.5	81.9	83.1	83.7	84.2	84.4	84.4	84.6	84.6	84.6	84.8	84.8	85.6	85.6	87.4	87.5
1000	80.5	81.9	83.1	83.7	84.2	84.4	84.4	84.6	84.6	84.6	84.8	84.8	85.6	85.6	87.4	87.5
500	80.9	83.3	84.4	85.0	85.6	85.8	85.8	86.0	86.0	86.0	86.2	86.2	87.0	87.0	88.7	88.9
250	81.3	83.7	85.2	86.4	87.0	87.2	87.2	87.4	87.4	87.4	87.5	87.5	88.3	88.3	90.1	90.3
125	82.3	85.6	87.2	88.3	88.9	89.1	89.1	89.3	89.3	89.3	89.5	89.5	90.3	90.3	92.0	92.2
62.5	86.4	88.3	89.9	91.4	92.0	92.0	92.0	92.6	92.6	92.6	92.8	93.0	93.0	93.8	95.5	95.7
31.2	82.7	86.6	88.5	90.1	91.6	92.2	92.2	93.0	93.0	93.2	93.4	93.4	94.2	94.2	95.9	96.1
15.6	82.7	86.6	88.5	90.1	91.6	92.2	92.2	93.0	93.0	93.2	93.4	93.4	94.2	94.2	95.9	96.1
7.8	83.1	87.2	89.1	90.7	92.2	92.8	92.8	93.6	93.6	94.0	94.2	94.2	95.1	95.1	96.9	97.1
3.9	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.0	94.0	94.4	94.6	94.6	95.5	95.5	97.7	97.5
1.9	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.2	94.2	94.6	94.7	94.7	95.7	95.7	97.5	97.7
0.9	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.2	94.2	94.6	94.7	94.7	95.9	95.9	97.7	97.9
0.4	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.4	94.4	94.7	94.9	94.9	96.1	96.1	97.9	98.1
0.2	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.4	94.4	94.9	95.1	95.1	96.3	96.3	98.1	98.2
0.1	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.4	94.4	94.9	95.1	95.1	96.3	96.3	98.1	98.2
0.05	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.4	94.4	94.9	95.1	95.1	96.3	96.3	98.1	98.2
0.02	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.4	94.4	94.9	95.1	95.1	96.3	96.3	98.1	98.2
0.01	83.1	87.5	89.5	91.1	92.6	93.2	93.2	94.4	94.4	94.9	95.1	95.1	96.3	96.3	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772625 FT WAINWRIGHT AAF AK

77-83

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18-7-1200

		VISIBILITY - STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
CEILING	FEET																
10000		46.5	52.1	53.5	54.7	55.6	55.6	56.0	56.6	56.6	57.0	57.6	57.6	58.2	58.2	59.4	60.0
9000		50.1	55.8	57.2	58.8	59.8	59.8	60.2	60.8	60.8	61.2	61.8	61.8	62.4	62.4	63.6	64.4
8000		51.5	57.6	59.0	60.6	61.6	61.6	62.2	63.0	63.0	63.4	64.0	64.0	64.6	64.6	65.9	66.5
7000		51.7	57.8	59.2	60.8	62.0	62.0	62.8	63.6	63.6	64.0	64.6	64.6	65.1	65.1	66.5	67.1
6000		53.5	59.6	61.0	62.6	63.8	63.8	64.6	65.3	65.3	65.7	66.3	66.3	66.9	66.9	68.7	69.9
5000		56.2	62.4	64.0	65.5	66.7	66.7	67.5	68.3	68.3	68.7	69.3	69.3	69.9	69.9	71.7	71.9
4000		59.2	66.1	67.7	69.3	70.5	70.5	71.7	72.1	72.1	72.5	73.1	73.1	73.7	73.7	75.5	75.6
3000		60.4	67.3	68.9	70.5	71.7	71.7	72.5	73.3	73.3	73.7	74.3	74.3	74.9	74.9	76.7	76.8
2000		65.5	72.7	74.3	75.8	77.0	77.0	77.8	78.6	78.6	79.0	79.6	79.6	80.2	80.2	81.6	82.2
1000		67.7	75.6	77.6	79.2	80.6	80.6	81.4	82.2	82.2	82.6	83.2	83.2	83.8	83.8	85.1	85.7
500		67.9	75.8	77.8	79.4	80.8	80.8	81.6	82.4	82.4	82.8	83.4	83.4	84.0	84.0	85.3	85.9
400		68.7	76.6	78.6	80.2	81.6	81.6	82.4	83.2	83.2	83.6	84.2	84.2	84.8	84.8	86.1	86.7
300		69.3	78.0	80.0	81.6	83.6	83.6	84.4	85.1	85.1	85.5	86.1	86.1	86.7	86.7	88.1	88.7
200		69.3	78.6	80.6	83.2	84.8	84.8	85.5	86.3	86.3	86.7	87.3	87.3	87.9	87.9	89.3	89.9
100		70.3	80.0	82.0	84.8	86.3	86.3	87.1	87.9	87.9	88.5	89.1	89.1	89.7	89.7	91.1	91.7
50		70.7	81.6	83.6	86.5	88.5	88.5	89.3	90.1	90.1	90.7	91.3	91.3	91.9	91.9	93.3	93.9
20		71.3	82.4	84.4	87.3	89.3	89.3	90.7	91.5	91.5	92.1	92.7	92.7	93.3	93.3	94.7	95.2
10		71.3	82.4	84.4	87.3	89.3	89.3	90.7	91.7	91.7	92.3	92.9	92.9	93.5	93.5	94.9	95.4
5		72.1	83.2	85.1	88.1	90.5	90.5	91.9	92.9	92.9	93.5	94.1	94.1	94.7	94.7	96.2	96.6
2		72.3	83.6	85.5	88.5	90.9	90.9	92.3	93.3	93.3	93.9	94.5	94.5	95.0	95.0	96.4	97.0
1		72.3	84.2	86.1	89.1	91.5	91.5	92.9	93.9	93.9	94.5	95.0	95.0	95.6	95.6	97.0	97.6
0.5		72.3	84.4	86.3	89.3	91.7	91.7	93.1	94.1	94.1	94.7	95.2	95.2	95.8	95.8	97.2	97.8
0.2		72.3	84.4	86.3	89.3	92.1	92.1	93.5	94.7	94.7	95.2	95.8	95.8	96.4	96.4	97.8	98.4
0.1		72.3	84.4	86.3	89.3	92.1	92.1	93.5	94.7	94.7	95.2	95.8	95.8	96.4	96.4	97.8	98.4
0.05		72.3	84.4	86.5	89.5	92.5	92.5	93.9	95.2	95.2	96.4	97.0	97.0	97.6	97.6	99.0	99.6
0.02		72.7	84.8	86.0	89.0	92.0	92.0	94.3	95.6	95.6	96.8	97.4	97.4	98.0	98.0	99.4	100.0
0.01		72.7	84.8	86.9	89.9	92.9	92.9	94.3	95.6	95.6	96.8	97.4	97.4	98.0	98.0	99.4	100.0
0.005		72.7	84.8	86.9	89.9	92.9	92.9	94.3	95.6	95.6	96.8	97.4	97.4	98.0	98.0	99.4	100.0
0.002		72.7	84.8	86.9	89.9	92.9	92.9	94.3	95.6	95.6	96.8	97.4	97.4	98.0	98.0	99.4	100.0
0.001		72.7	84.8	86.9	89.9	92.9	92.9	94.3	95.6	95.6	96.8	97.4	97.4	98.0	98.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 505

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722615 FT WAINWRIGHT AAF AK

77.79-83

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
20000	43.4	49.7	51.7	53.1	54.5	54.5	55.2	55.9	56.9	55.9	57.3	57.3	58.7	58.7	61.5	61.5
18000	46.9	53.1	55.2	57.3	58.7	58.7	59.9	60.1	60.1	60.1	61.5	61.5	62.9	62.9	65.7	65.7
16000	47.6	55.2	57.3	59.4	60.8	60.8	61.5	62.2	62.2	62.2	63.6	63.6	65.0	65.0	67.8	67.8
14000	47.6	55.2	57.3	59.4	60.8	60.8	61.5	62.2	62.2	62.2	63.6	63.6	65.0	65.0	67.8	67.8
12000	50.3	58.0	60.1	62.2	63.6	63.6	64.3	65.0	65.0	65.0	66.4	66.4	67.8	67.8	70.6	70.6
10000	52.4	62.1	62.2	64.3	65.7	65.7	66.4	67.1	67.1	67.1	68.5	68.5	69.9	69.9	72.7	72.7
8000	55.9	64.3	66.4	68.5	69.9	69.9	70.6	71.3	71.3	71.3	72.7	72.7	74.1	74.1	76.9	76.9
6000	55.9	64.3	66.4	68.5	69.9	69.9	70.6	71.3	71.3	71.3	72.7	72.7	74.1	74.1	76.9	76.9
4000	60.1	68.5	70.6	72.7	74.1	74.1	74.8	75.5	75.5	75.5	76.9	76.9	78.3	78.3	81.1	81.1
2000	64.3	72.7	75.5	77.6	79.0	79.0	79.7	80.4	80.4	80.4	81.8	81.8	83.2	83.2	86.0	86.0
1000	64.3	72.7	75.5	77.6	79.0	79.0	79.7	80.4	80.4	80.4	81.8	81.8	83.2	83.2	86.0	86.0
500	64.3	72.7	75.5	77.6	79.0	79.0	79.7	80.4	80.4	80.4	81.8	81.8	83.2	83.2	86.0	86.0
200	64.3	73.4	76.2	78.3	79.7	79.7	80.4	81.1	81.1	81.1	82.5	82.5	83.9	83.9	86.7	86.7
100	64.3	73.4	76.2	78.3	79.7	79.7	80.4	81.1	81.1	81.1	82.5	82.5	83.9	83.9	86.7	86.7
50	65.0	74.1	76.9	79.7	81.1	81.1	81.8	82.5	82.5	82.5	83.9	83.9	85.3	85.3	88.1	88.1
25	65.0	74.8	77.6	80.4	82.5	82.5	83.2	83.9	83.9	84.6	86.0	86.0	87.4	87.4	90.2	90.2
15	65.0	76.2	79.0	81.8	83.9	83.9	84.6	85.3	85.3	86.0	87.4	87.4	88.8	88.8	91.6	91.6
10	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
5	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
2.5	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
1.5	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
1.0	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.5	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.3	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.2	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.1	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.05	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.03	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4
0.01	67.1	78.3	81.8	84.6	86.7	86.7	87.4	88.1	88.1	88.8	90.2	90.2	91.6	91.6	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 183

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT WAINWRIGHT AAF AK

77-87

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	43.3	46.9	47.9	48.3	47.0	49.6	49.7	50.3	50.4	50.8	51.8	51.8	53.1	53.3	54.9	55.2
20000	46.3	50.3	51.3	51.9	52.7	53.2	53.4	54.0	54.0	54.5	55.4	55.5	56.9	57.2	58.6	59.0
18000	48.7	53.0	54.1	54.7	55.6	56.1	56.3	56.9	57.0	57.4	58.4	58.4	59.8	60.0	61.5	62.0
16000	49.1	53.4	54.5	55.2	56.2	56.6	57.0	57.6	57.7	58.1	59.1	59.1	60.5	60.7	62.2	62.7
14000	50.4	54.8	56.0	56.7	57.7	58.2	58.4	59.1	59.1	59.6	60.5	60.6	62.0	62.1	63.7	64.1
12000	54.1	58.6	59.7	60.4	61.5	62.0	62.2	62.9	62.9	63.4	64.3	64.4	65.8	66.0	67.5	68.0
10000	58.7	63.3	64.5	65.2	66.2	66.6	67.0	67.6	67.7	68.2	69.1	69.2	70.6	70.8	72.3	72.8
8000	60.2	64.9	66.1	66.8	67.8	68.3	68.6	69.2	69.3	69.7	70.7	70.8	72.2	72.3	73.9	74.3
6000	65.4	70.5	71.8	72.5	73.5	74.1	74.3	75.0	75.0	75.5	76.4	76.5	77.9	78.1	79.7	80.1
4000	68.9	74.3	75.8	76.6	77.6	78.2	78.5	79.1	79.1	79.6	80.6	80.6	82.1	82.2	83.8	84.3
2000	69.0	74.5	76.1	76.8	77.9	78.5	78.7	79.3	79.4	79.9	80.8	80.9	82.3	82.4	84.1	84.5
1000	69.6	75.3	76.9	77.6	78.7	79.3	79.5	80.2	80.2	80.7	81.6	81.7	83.1	83.3	84.9	85.3
500	70.0	75.9	77.6	78.4	79.6	80.1	80.4	81.0	81.0	81.5	82.5	82.5	84.0	84.1	85.7	86.2
250	71.1	77.4	79.2	80.2	81.5	82.1	82.3	83.0	83.0	83.5	84.4	84.4	85.9	86.1	87.7	88.1
150	71.9	78.6	80.4	81.5	82.8	83.5	83.7	84.4	84.4	84.9	85.9	85.9	87.4	87.5	89.1	89.6
100	72.7	79.6	81.5	82.9	84.6	85.2	85.6	86.2	86.3	86.9	87.9	87.9	89.4	89.5	91.1	91.6
75	73.0	81.7	83.0	84.4	86.5	87.3	87.6	88.6	88.6	89.3	90.3	90.3	91.8	91.9	93.5	94.0
50	73.6	81.6	83.9	85.5	87.8	88.7	89.2	90.2	90.3	90.9	92.0	92.0	93.5	93.7	95.3	95.7
25	73.6	81.6	83.9	85.5	87.8	88.7	89.2	90.2	90.3	91.0	92.0	92.1	93.6	93.7	95.3	95.8
15	73.9	82.0	84.4	86.0	88.3	89.3	89.9	90.9	91.0	91.8	93.0	93.0	94.5	94.7	96.3	96.7
10	73.9	82.2	84.4	86.2	88.6	89.6	90.1	91.2	91.3	92.1	93.2	93.3	94.8	95.0	96.6	97.0
5	74.0	82.5	84.9	86.5	88.9	89.9	90.5	91.5	91.6	92.4	93.6	93.7	95.2	95.4	97.0	97.4
2	74.3	82.5	85.0	86.6	88.9	89.9	90.5	91.6	91.6	92.5	93.7	93.7	95.4	95.5	97.2	97.6
1	74.1	82.7	85.1	86.7	89.2	90.2	90.8	91.9	92.0	92.9	94.1	94.2	95.9	96.1	97.7	98.2
0	74.1	82.7	85.2	86.8	89.2	90.2	90.8	92.0	92.0	93.0	94.3	94.5	96.2	96.3	98.0	98.4
0	74.1	82.8	85.3	86.9	89.4	90.4	91.0	92.2	92.3	93.5	94.8	95.0	96.7	96.9	98.5	99.0
0	74.3	83.0	85.5	87.2	89.7	90.7	91.3	92.5	92.6	93.8	95.2	95.3	97.1	97.2	99.0	99.4
0	74.3	83.0	85.6	87.3	89.8	90.8	91.4	92.6	92.7	94.0	95.5	95.6	97.4	97.6	99.3	99.8
0	74.3	83.0	85.6	87.3	89.9	90.9	91.5	92.7	92.8	94.1	95.6	95.8	97.5	97.7	99.4	99.9
0	74.3	83.0	85.6	87.3	89.9	90.9	91.5	92.7	92.8	94.1	95.6	95.8	97.6	97.8	99.5	100.0
0	74.3	83.0	85.6	87.3	89.9	90.9	91.5	92.7	92.8	94.1	95.6	95.8	97.6	97.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2859

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT MAIN, RIGHT AAF AK

77-78, RD-67

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING ≥20000	53.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥18000	58.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥16000	60.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥14000	60.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥12000	61.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥10000	63.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥9000	70.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥8000	72.0	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥7000	73.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥6000	74.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥5000	74.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥4500	76.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥4000	78.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥3500	80.0	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥3000	80.7	87.3	87.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥2500	82.7	89.3	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥2000	83.3	91.3	91.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥1800	83.3	92.0	92.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥1600	83.3	92.0	92.0	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥1400	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥1200	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥1000	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥900	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥800	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥700	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥600	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥500	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥400	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥300	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥200	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥100	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥0	83.3	92.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 150

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FI WAINWRIGHT AAF AK

77-87

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-6600

		VISIBILITY - STATUTE MILES																
		20	20	25	24	23	22	22	2	2	2	2	2	2	2	25	0	2
1	0000	53.2	54.2	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2	0000	58.2	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
3	0000	60.2	61.2	61.3	61.5	61.5	61.5	61.7	61.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
4	0000	60.2	61.2	61.3	61.5	61.5	61.5	61.7	61.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
5	0000	61.3	62.3	62.5	62.6	62.6	62.6	62.8	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
6	0000	63.5	64.4	64.6	64.8	64.8	64.8	64.9	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
7	0000	69.3	71.3	70.5	70.6	70.6	70.6	70.8	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
8	0000	71.5	72.4	72.6	72.8	72.8	72.8	72.9	73.1	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7
9	0000	75.2	76.2	76.3	76.5	76.5	76.5	76.7	76.8	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5
10	0000	77.7	78.6	78.8	79.0	79.1	79.1	79.4	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3
11	0000	78.5	79.4	79.6	79.8	79.9	79.9	80.3	80.4	80.4	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.1
12	0000	80.3	81.9	82.2	82.4	82.5	82.5	82.9	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7
13	0000	80.8	82.7	83.0	83.2	83.4	83.4	83.7	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.5	84.5
14	0000	82.9	85.0	85.3	85.5	85.6	85.6	86.0	86.1	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8
15	0000	83.5	86.5	86.8	86.9	87.1	87.1	87.4	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3
16	0000	84.3	87.6	87.9	88.3	88.7	88.7	89.1	89.2	89.2	89.7	89.7	89.7	89.7	89.7	89.7	90.2	90.4
17	0000	85.6	89.9	90.9	91.7	92.3	92.3	92.7	92.8	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.8	94.0
18	0000	85.8	90.4	91.5	92.5	93.6	94.0	94.6	94.8	94.8	95.3	95.4	95.4	95.4	95.4	95.4	95.9	96.1
19	0000	85.8	90.4	91.5	92.5	94.0	94.3	94.9	95.1	95.1	95.6	95.8	95.8	95.8	95.8	95.8	96.2	96.4
20	0000	86.5	91.2	92.3	93.3	94.8	95.4	96.4	96.6	96.6	97.4	97.6	97.6	97.6	97.6	97.6	98.0	98.2
21	0000	86.5	91.2	92.5	93.6	95.3	95.9	97.1	97.2	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.7	98.9
22	0000	86.5	91.2	92.5	93.6	95.3	95.9	97.1	97.6	97.6	98.4	98.5	98.5	98.5	98.5	98.5	99.0	99.2
23	0000	86.5	91.2	92.5	93.6	95.3	95.9	97.1	97.6	97.6	98.4	98.5	98.5	98.5	98.5	98.5	99.0	99.2
24	0000	86.5	91.2	92.5	93.6	95.3	96.2	97.4	97.9	97.9	98.7	98.9	98.9	98.9	98.9	98.9	99.3	99.5
25	0000	86.5	91.2	92.5	93.6	95.3	96.2	97.4	97.9	97.9	98.7	98.9	98.9	98.9	98.9	98.9	99.3	99.5
26	0000	86.5	91.2	92.5	93.6	95.3	96.2	97.4	97.9	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.5	99.7
27	0000	86.5	91.2	92.5	93.6	95.3	96.2	97.4	97.9	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.8	100.0
28	0000	86.5	91.2	92.5	93.6	95.3	96.2	97.4	97.9	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 613

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 STATION NAME FT WAINWRIGHT AAF AK

77-83

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.6
20000	63.7	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.8	64.8	65.2
18000	67.4	67.9	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.6	68.6	68.9
16000	67.4	67.9	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.6	68.6	68.9
14000	68.4	68.9	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.5	69.5	69.9
12000	71.7	70.5	70.5	70.7	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.2	71.2	71.5
10000	74.4	74.9	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.5	75.5	75.9
8000	75.2	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.3	76.3	76.7
6000	79.3	79.7	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.6	80.6	80.9
4000	81.4	82.0	82.2	82.5	82.6	82.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.1	83.1	83.5
2000	81.8	82.5	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.6	83.6	84.0
1000	83.5	84.9	85.1	85.4	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	86.1	86.1	86.4
500	83.6	85.3	85.6	85.9	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.5	86.5	86.9
250	85.7	87.7	88.3	88.8	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.8	89.8	90.1
100	86.7	88.7	89.3	90.1	90.8	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.2	91.2	91.6
50	87.5	90.3	91.1	91.9	93.0	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.7	93.7	94.0
25	88.7	91.9	92.9	93.7	95.0	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.8	95.8	96.1
10	88.8	92.5	93.8	94.7	95.9	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.8	96.8	97.1
5	88.8	92.5	93.8	94.7	95.9	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.8	96.8	97.1
2	89.0	92.9	94.3	95.1	97.1	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.2	98.2	98.5
1	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.5	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.25	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.1	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.05	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.025	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.01	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.005	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.0025	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.001	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.0005	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.00025	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.0001	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.00005	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.000025	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4
0.00001	89.1	93.2	94.8	95.6	97.6	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	99.0	99.0	99.4

TOTAL NUMBER OF OBSERVATIONS 617

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-83

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING ≥ 20000	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 8000	66.1	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	69.2	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	69.2	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2000	69.5	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 1000	71.1	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 900	75.2	76.1	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 800	76.3	77.3	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 700	80.7	82.0	82.5	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 600	82.6	84.1	84.6	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 500	83.3	84.7	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 450	85.1	86.9	87.5	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 400	85.6	87.3	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 350	88.3	90.3	90.9	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300	89.1	91.1	91.7	92.4	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 250	89.6	91.6	92.5	93.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	91.1	93.5	94.5	95.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 150	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 75	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 50	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 25	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 10	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.5	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.25	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.1	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.05	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.025	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.01	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0.005	92.0	94.5	95.5	96.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 616

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-85 FT WAINWRIGHT AAF AK

77-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 2000	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 1800	65.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1600	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 1400	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1200	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 1000	73.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 900	75.5	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 800	79.6	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 700	81.6	83.1	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 600	82.9	84.3	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 500	84.6	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 450	85.6	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 400	89.1	90.9	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 350	89.9	91.7	92.4	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300	91.2	93.4	94.2	94.2	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 250	92.7	94.9	95.9	96.0	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	93.4	95.5	96.7	96.9	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 180	93.4	95.5	96.7	96.9	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 150	93.5	95.7	96.9	97.0	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 120	93.5	95.7	96.9	97.0	98.3	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	93.5	95.7	96.9	97.0	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 90	93.5	95.7	96.9	97.0	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 80	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 70	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 60	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 40	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10	93.5	95.7	96.9	97.0	98.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 609

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-79-83

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 20000	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 18000	63.0	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000	65.9	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	65.9	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000	65.9	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	68.2	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9500	72.3	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	74.0	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7500	75.7	76.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	76.9	79.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5500	76.9	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	79.2	81.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	80.3	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	85.0	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	85.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	87.9	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	90.2	93.1	94.2	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	90.8	93.6	94.8	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	90.8	93.6	94.8	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	91.3	94.2	95.4	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	91.3	94.2	96.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	91.3	94.2	96.0	97.1	97.1	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	91.9	94.8	96.5	97.7	97.7	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 25	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10	91.9	94.8	96.5	98.3	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 173

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2515 FT WAINWRIGHT AAF AK

77-83

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY STATISTICS															
		20	26	35	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	57.5	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6
900	FEET	63.1	63.5	64.2	64.0	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3
800	FEET	66.7	66.9	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4
700	FEET	66.0	66.9	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.5	67.5
600	FEET	66.6	67.5	67.7	67.7	67.8	67.8	67.8	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.1	68.1
500	FEET	68.7	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.2
400	FEET	73.3	74.4	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.1	75.1
300	FEET	75.1	76.2	76.4	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9
200	FEET	79.9	80.1	80.3	80.5	80.6	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	81.0	81.0
100	FEET	80.9	82.4	82.7	83.0	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.5	83.5
50	FEET	81.7	83.2	83.5	83.8	83.9	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3
25	FEET	83.4	85.3	85.7	86.0	86.1	86.1	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.5	86.5
15	FEET	83.9	86.0	86.4	86.6	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.2	87.2
10	FEET	86.7	88.9	89.5	89.8	90.2	90.2	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.6	90.6
5	FEET	87.5	89.9	90.5	91.0	91.4	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8
2	FEET	88.5	91.2	91.9	92.5	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.9	93.9	94.2	94.1
1	FEET	89.8	92.9	93.9	94.6	95.6	95.9	96.0	96.1	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.4
0	FEET	90.3	93.6	94.7	95.5	96.7	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.7	97.8
0	FEET	90.3	93.6	94.7	95.5	96.8	97.2	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.8	97.8
0	FEET	90.5	93.9	95.0	95.7	97.2	97.7	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.6	98.6
0	FEET	90.5	93.9	95.1	96.0	97.5	98.0	98.3	98.5	98.5	98.7	98.7	98.7	98.8	98.8	99.0	99.0
0	FEET	90.5	93.9	95.1	96.0	97.5	98.1	98.5	98.7	98.7	99.1	99.2	99.2	99.4	99.4	99.5	99.5
0	FEET	90.6	94.0	95.2	96.0	97.5	98.1	98.5	98.8	98.8	99.1	99.3	99.3	99.4	99.4	99.6	99.6
0	FEET	90.6	94.0	95.2	96.0	97.6	98.2	98.6	98.9	98.9	99.3	99.5	99.5	99.6	99.6	99.8	99.8
0	FEET	90.6	94.0	95.2	96.0	97.6	98.2	98.6	98.9	98.9	99.3	99.5	99.5	99.7	99.7	99.8	99.9
0	FEET	90.6	94.0	95.2	96.0	97.6	98.2	98.6	98.9	98.9	99.4	99.6	99.6	99.7	99.7	99.9	99.9
0	FEET	90.6	94.0	95.2	96.0	97.6	98.3	98.7	99.0	99.0	99.4	99.6	99.6	99.7	99.7	99.9	99.9
0	FEET	90.6	94.0	95.2	96.0	97.6	98.3	98.7	99.0	99.0	99.4	99.6	99.6	99.8	99.8	99.9	99.9
0	FEET	90.6	94.0	95.2	96.0	97.6	98.3	98.7	99.0	99.0	99.4	99.6	99.6	99.8	99.8	100.0	100.0
0	FEET	90.6	94.0	95.2	96.0	97.6	98.3	98.7	99.0	99.0	99.4	99.6	99.6	99.8	99.8	100.0	100.0
0	FEET	90.6	94.0	95.2	96.0	97.6	98.3	98.7	99.0	99.0	99.4	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3338

USAF ETAC

FORM 1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

77-83

~~44-38861-6500~~

TOTAL NUMBER OF OBSERVATIONS 100

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.6615 FT WAINWRIGHT AAF AK

77-83

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5500-0800

ELEVATION FEET		VISIBILITY STATUTE MILES																			
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
1000	57.5	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
2000	63.1	63.6	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5
3000	66.2	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6
4000	67.2	67.8	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6
5000	69.7	69.5	69.6	69.6	69.8	69.8	69.8	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
6000	71.5	72.0	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
7000	72.2	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6
8000	78.9	79.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3
9000	81.0	82.0	82.2	82.2	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2
10000	81.6	82.8	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
11000	84.2	85.8	85.9	85.9	86.6	86.6	86.6	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
12000	84.4	85.9	86.1	86.1	86.8	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3
13000	85.2	86.8	87.0	87.0	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2
14000	86.1	87.7	87.6	87.8	88.5	88.5	88.5	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
15000	87.3	89.2	89.9	90.1	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
16000	88.3	90.9	91.9	92.5	93.3	93.5	93.5	93.5	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2
17000	88.9	91.8	92.8	93.3	94.3	94.9	95.4	95.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1
18000	88.9	91.8	92.8	93.3	94.3	94.9	95.5	95.5	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
19000	89.0	91.9	93.0	93.5	95.0	95.5	96.2	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
20000	89.0	92.3	93.5	94.0	95.7	96.2	97.1	97.1	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
21000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
22000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
23000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
24000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
25000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
26000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
27000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
28000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
29000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
30000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
31000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
32000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
33000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
34000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
35000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
36000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
37000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
38000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
39000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
40000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
41000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
42000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
43000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
44000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
45000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
46000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
47000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
48000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
49000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
50000	89.2	92.5	93.7	94.5	96.4	96.9	98.5	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

583

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

AP:

4242-1125

TOTAL NUMBER OF OBSERVATIONS 584

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT WAINWRIGHT AAF AK

77-87

AGE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

ELEVATION FEET	VISIBILITY STATISTICAL															
	20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110
20000	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
18000	59.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
16000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
14000	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
12000	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
10000	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
8000	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
6000	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4000	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2000	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1000	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
500	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
250	88.0	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
100	90.4	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
50	90.3	91.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
25	91.8	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
10	92.6	93.7	94.2	94.7	94.7	94.7	94.9	94.9	94.9	95.0	95.0	95.2	95.2	95.2	95.2	95.2
5	92.8	94.5	95.0	95.7	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4
2	93.1	94.9	95.4	96.1	96.2	96.2	96.4	96.4	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8
1	93.1	94.9	95.4	96.1	96.4	96.9	97.4	97.4	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8
0.5	93.2	95.2	95.7	96.6	97.1	97.6	98.1	98.1	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5
0.25	93.2	95.4	95.9	96.8	97.3	97.8	98.5	98.6	98.6	99.1	99.3	99.5	99.5	99.5	99.5	99.5
0.1	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.05	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.025	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.01	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.005	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.0025	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.001	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.0005	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.00025	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.0001	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.00005	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.000025	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8
0.00001	93.2	95.4	96.2	97.1	97.6	98.1	98.8	99.0	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 585

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-83

AK

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1950

		VISIBILITY - STATUTE MILES															
		20	26	21	24	23	22	20	2	21	20	14	14	12	23	0	1
1000	FEET	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
900	FEET	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
800	FEET	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
700	FEET	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
600	FEET	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
500	FEET	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
400	FEET	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
300	FEET	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
200	FEET	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
100	FEET	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
0	FEET	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1000	FEET	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
900	FEET	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
800	FEET	91.5	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
700	FEET	92.1	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
600	FEET	93.1	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
500	FEET	93.3	94.5	94.5	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2
400	FEET	93.7	94.9	95.2	95.6	95.6	95.6	95.6	95.7	95.7	95.9	95.9	95.9	96.1	96.1	96.1	96.1
300	FEET	93.8	95.4	95.9	96.2	96.2	96.2	96.2	96.9	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4
200	FEET	94.5	96.4	96.9	97.3	97.3	97.4	98.3	98.5	98.5	98.6	98.8	98.8	99.1	99.1	99.1	99.1
100	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
0	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
1000	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
900	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
800	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
700	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
600	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
500	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
400	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
300	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
200	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
100	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
0	FEET	94.7	96.8	97.3	97.6	97.9	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 585

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.2615 FT WAINWRIGHT AAF AK

77-B?

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1910-2000

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
0-100	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
100-200	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
200-300	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
300-400	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
400-500	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
500-600	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
600-700	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
700-800	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
800-900	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
900-1000	86.9	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1000-1100	87.3	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
1100-1200	89.4	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
1200-1300	90.1	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
1300-1400	92.7	94.1	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1400-1500	93.7	95.1	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1500-1600	94.1	95.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1600-1700	94.1	95.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1700-1800	94.1	96.2	96.5	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800-1900	94.1	96.2	96.5	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1900-2000	94.8	97.0	97.6	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2000-2100	94.9	97.7	98.3	98.6	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2100-2200	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2200-2300	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2300-2400	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2400-2500	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2500-2600	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2600-2700	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2700-2800	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2800-2900	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2900-3000	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3000-3100	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3100-3200	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3200-3300	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3300-3400	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3400-3500	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3500-3600	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3600-3700	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3700-3800	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3800-3900	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3900-4000	95.1	97.9	98.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 574

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT MAIN BRIGHT AAF AK

77-79-F3

AB2

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
20000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
18000	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
16000	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
14000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
12000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
10000	75.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
8000	76.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
6000	83.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
4000	85.6	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2000	85.6	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1000	87.1	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
500	87.1	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
200	88.6	91.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
100	88.6	93.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
50	90.2	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
25	90.2	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
10	90.2	95.5	97.7	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
5	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.1	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.05	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.025	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.01	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.005	91.7	97.0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 132

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

706615 FT WAINWRIGHT AAF AK

77-87

AF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO FADING ≥20000	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥18000	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥16000	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥14000	68.2	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥12000	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥10000	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥8000	74.5	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥6000	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥4000	80.3	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥2000	83.6	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥1000	84.3	85.0	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5
≥500	86.6	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9
≥250	87.2	88.0	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥125	89.2	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥62.5	90.0	91.1	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9
≥31.25	91.0	92.4	92.8	93.0	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.5	93.5
≥15.625	91.6	93.4	93.9	94.3	94.7	94.7	94.8	94.8	94.8	94.9	95.0	95.1	95.1	95.1	95.2	95.2
≥7.8125	91.9	94.1	94.7	95.3	95.8	95.9	96.1	96.1	96.1	96.2	96.4	96.4	96.4	96.5	96.5	96.5
≥3.90625	91.9	94.2	94.8	95.3	95.9	96.0	96.2	96.2	96.2	96.4	96.5	96.5	96.5	96.6	96.6	96.6
≥1.953125	92.3	94.7	95.4	95.9	96.7	96.9	97.3	97.3	97.3	97.5	97.6	97.6	97.7	97.7	97.8	97.8
≥0.9765625	92.5	95.2	95.9	96.4	97.3	97.6	98.0	98.1	98.1	98.2	98.4	98.4	98.5	98.5	98.6	98.6
≥0.48828125	92.6	95.3	96.0	96.6	97.6	97.9	98.6	98.6	98.7	98.7	99.0	99.2	99.3	99.4	99.4	99.5
≥0.244140625	92.6	95.4	96.1	96.7	97.7	98.0	98.7	98.8	98.8	98.9	99.1	99.3	99.4	99.5	99.5	99.6
≥0.1220703125	92.7	95.4	96.1	96.8	97.8	98.1	98.8	98.9	98.9	99.2	99.4	99.5	99.6	99.6	99.7	99.7
≥0.06103515625	92.7	95.4	96.2	96.9	97.9	98.1	98.8	99.0	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7
≥0.030517578125	92.7	95.5	96.3	97.0	98.0	98.2	98.9	99.1	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥0.0152587890625	92.7	95.5	96.3	97.0	98.0	98.2	99.0	99.1	99.1	99.4	99.7	99.7	99.8	99.8	99.9	99.9
≥0.00762939453125	92.7	95.5	96.3	97.0	98.0	98.2	99.0	99.2	99.2	99.5	99.7	99.7	99.9	99.9	100.0	100.0
≥0.003814697265625	92.7	95.5	96.3	97.0	98.0	98.2	99.0	99.2	99.2	99.5	99.7	99.7	99.9	99.9	100.0	100.0
≥0.0019073486328125	92.7	95.5	96.3	97.0	98.0	98.2	99.0	99.2	99.2	99.5	99.7	99.7	99.9	99.9	100.0	100.0
≥0.00095367431640625	92.7	95.5	96.3	97.0	98.0	98.2	99.0	99.2	99.2	99.5	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3187

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY



~~0300-0500~~

TOTAL NUMBER OF OBSERVATIONS 190

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥2000	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥1800	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥1600	64.4	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥1400	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥1200	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥1000	67.4	67.6	67.6	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥800	71.5	72.0	72.0	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥600	75.3	75.8	75.8	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥400	81.0	81.5	81.5	81.9	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥200	85.2	85.9	85.9	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥100	87.2	87.9	87.9	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥50	89.3	89.9	90.1	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥25	90.3	90.9	91.1	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥12	91.6	92.8	93.0	93.3	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥6	93.1	94.5	94.8	95.1	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥3	93.5	95.0	95.3	95.8	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥1	94.0	95.8	96.1	96.6	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥0	94.5	96.5	97.0	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥0.5	94.5	96.5	97.0	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥0.25	94.5	96.5	97.0	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥0.1	94.5	96.5	97.0	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥0.05	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.025	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.01	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.005	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.0025	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.001	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.0005	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.00025	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.0001	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.00005	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.000025	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.00001	94.6	96.8	97.5	98.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 596

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-75 FT WAINWRIGHT AAF AK

77-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
20000	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
18000	68.1	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
16000	68.4	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
14000	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
12000	70.4	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1
10000	76.0	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5
8000	78.5	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0
6000	85.6	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4
4000	88.6	89.1	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6
2000	88.8	89.3	89.3	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9
1000	90.1	90.9	90.9	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6
500	90.9	91.4	91.4	91.4	91.6	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1
200	92.4	93.5	93.5	93.5	93.6	94.0	94.0	94.0	94.0	94.0	94.1	94.6	94.6	94.6	94.6	94.6
100	93.5	94.5	94.5	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.3	95.8	95.8	95.8	95.8	95.8
50	94.8	96.0	96.0	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.8	97.3	97.3	97.3	97.3	97.3
20	94.3	96.3	96.3	96.5	96.6	97.0	97.0	97.0	97.0	97.0	97.1	97.7	97.7	97.7	97.7	97.7
10	95.1	97.1	97.1	97.3	97.5	97.8	97.8	97.8	97.8	97.8	98.0	98.5	98.5	98.5	98.5	98.5
5	95.5	97.5	97.5	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.5	99.0	99.0	99.0	99.0	99.0
2	95.5	97.5	97.5	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.5	99.0	99.0	99.0	99.0	99.0
1	95.6	97.8	98.0	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.7	99.7	99.7	99.7	99.7
0.5	95.6	97.8	98.0	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.7	99.7	99.7	99.7	99.7
0.2	95.6	97.8	98.0	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.7	99.7	99.7	99.7	99.7
0.1	95.6	98.2	98.3	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0
0.05	95.6	98.2	98.3	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0
0.02	95.6	98.2	98.3	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0
0.01	95.6	98.2	98.3	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0
0.005	95.6	98.2	98.3	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 596

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
18000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
16000	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
14000	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
12000	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
10000	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
8000	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
6000	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
4000	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2000	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1000	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
500	84.2	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
200	86.7	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
100	91.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
50	93.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
20	95.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
10	96.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
5	96.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2	96.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0.5	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0.2	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0.1	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0.05	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.02	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.01	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.005	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.002	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.001	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.0005	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.0002	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.0001	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.00005	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.00002	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.00001	97.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 595

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY FRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
18000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
16000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
14000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
12000	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
10000	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
9000	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
8000	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
7000	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
6000	78.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
5000	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
4500	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
4000	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3500	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3000	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2500	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2000	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1800	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1600	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1400	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-87

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18-0-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO. CEILING 2000	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
1800	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
1600	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
1400	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
1200	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1000	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
800	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
600	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
400	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
200	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
100	81.3	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
50	85.6	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
25	88.3	88.9	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
15	93.9	94.8	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
10	96.1	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
5	96.6	98.1	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2	96.6	98.1	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1	96.6	98.1	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	96.6	98.1	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	96.8	98.3	98.5	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	96.8	98.3	98.5	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	96.8	98.3	98.5	98.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	97.0	98.5	98.6	98.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	97.0	98.5	98.6	98.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.0	98.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 592

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70615 FT WAINWRIGHT AAF AK

77-87

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

		VISIBILITY IN STATUTE MILES															
CEILING IN FEET		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
8000	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
6000	61.2	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
4000	61.8	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
2000	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
1000	64.2	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
800	69.2	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
600	72.3	72.7	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
400	78.9	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
200	82.4	83.0	83.1	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
100	83.9	84.6	84.6	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
80	86.7	87.5	87.6	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
60	88.7	89.5	89.6	89.6	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
40	92.5	93.5	93.6	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
20	94.4	95.5	95.6	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
10	95.3	96.7	96.8	96.9	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
8	95.9	97.4	97.5	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
6	96.2	97.9	98.0	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
4	96.2	97.9	98.0	98.3	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2	96.4	98.1	98.2	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1	96.4	98.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.8	96.5	98.2	98.4	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0.6	96.5	98.3	98.5	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0.4	96.5	98.3	98.5	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.2	96.5	98.3	98.5	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.1	96.5	98.4	98.6	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.05	96.5	98.4	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0.02	96.5	98.4	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0.01	96.5	98.4	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0.005	96.5	98.4	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0.002	96.5	98.4	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0.001	96.5	98.4	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3168

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FI WAINWRIGHT AAF AK

77-82

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0100-0500

		VISIBILITY, STATUTE MILES															
		20	20	20	24	24	24	24	24	24	24	24	24	24	24	24	24
1000	FEET	35.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
900	FEET	42.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
800	FEET	43.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
700	FEET	43.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
600	FEET	45.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
500	FEET	47.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
400	FEET	51.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
300	FEET	55.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
200	FEET	64.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
100	FEET	68.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
0	FEET	72.7	73.8	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
0	FEET	75.0	77.4	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
0	FEET	79.7	80.4	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
0	FEET	82.1	85.1	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
0	FEET	83.9	87.5	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
0	FEET	84.5	88.7	88.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
0	FEET	86.9	91.1	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
0	FEET	87.5	91.7	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
0	FEET	87.5	91.7	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
0	FEET	88.7	93.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0	FEET	88.7	93.5	94.6	95.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0	FEET	89.3	94.0	95.2	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0	FEET	89.3	94.0	95.2	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0	FEET	89.3	94.0	95.2	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0	FEET	89.3	94.0	95.2	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0	FEET	89.9	95.2	96.4	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0	FEET	89.9	95.2	96.4	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0	FEET	89.9	95.2	96.4	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0	FEET	89.9	95.2	96.4	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0	FEET	89.9	95.2	96.4	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 165

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72615 FT. WAINWRIGHT AAF AK

77-82

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0630-0800

ELEVATION FEET		VISIBILITY STATUTE MILES															
		20	26	32	38	44	50	56	62	68	74	80	86	92	98	100	100
0-100	FEET	34.6	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
100-200	FEET	40.7	41.3	41.3	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
200-300	FEET	43.5	44.1	44.1	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
300-400	FEET	43.5	44.1	44.1	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
400-500	FEET	44.7	45.3	45.3	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
500-600	FEET	48.8	49.4	49.4	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
600-700	FEET	54.7	54.9	54.9	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
700-800	FEET	57.3	58.3	58.3	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
800-900	FEET	65.6	67.6	67.8	68.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
900-1000	FEET	70.2	72.5	72.7	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
1000-1100	FEET	73.1	75.5	75.7	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
1100-1200	FEET	75.5	78.1	78.3	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1200-1300	FEET	77.5	80.1	80.2	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
1300-1400	FEET	80.2	82.8	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
1400-1500	FEET	81.4	84.2	84.4	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1500-1600	FEET	83.6	87.4	87.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1600-1700	FEET	85.2	88.9	89.3	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1700-1800	FEET	85.6	89.3	90.1	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1800-1900	FEET	85.6	89.3	90.1	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1900-2000	FEET	86.4	90.9	92.1	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000-2100	FEET	87.3	91.9	93.1	94.1	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
2100-2200	FEET	87.7	92.9	94.3	95.3	95.8	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2200-2300	FEET	87.9	93.1	94.5	95.7	96.2	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2300-2400	FEET	88.1	93.3	94.7	95.8	96.4	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
2400-2500	FEET	88.3	93.5	94.9	96.0	96.6	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2500-2600	FEET	88.5	93.7	95.3	96.4	97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2600-2700	FEET	88.7	94.5	96.2	97.4	98.4	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2700-2800	FEET	88.7	94.5	96.2	97.4	98.4	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2800-2900	FEET	88.7	94.5	96.4	97.6	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2900-3000	FEET	88.7	94.7	96.6	97.8	99.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3000-3100	FEET	88.7	94.7	96.6	97.8	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 506

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

77-82

50-115

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-6615 FT. WAINWRIGHT AAF AK

77-62

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

		VISIBILITY - STATUTE MILES															
		20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	32.3	33.4	33.4	33.4	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
900	43.1	44.1	44.1	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
800	45.5	46.4	46.4	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
700	45.7	46.6	46.6	46.6	46.6	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
600	47.3	48.0	48.0	48.0	48.0	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
500	49.5	50.6	50.6	50.6	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
400	55.1	56.3	56.5	56.5	56.5	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
300	57.1	58.3	58.5	58.5	58.5	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
200	63.7	64.4	65.0	65.0	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
100	68.4	69.8	70.4	70.4	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
0	70.2	71.5	72.1	72.1	72.1	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
900	74.1	75.5	76.1	76.1	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
800	76.3	76.7	77.3	77.3	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
700	79.4	81.0	81.6	81.6	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
600	83.2	85.0	85.6	85.6	85.6	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
500	87.5	90.1	90.9	90.9	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
400	90.9	93.9	94.7	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
300	91.3	94.7	95.5	95.7	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
200	91.7	96.0	96.8	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
100	91.9	96.4	97.2	97.4	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	92.3	96.8	97.6	97.8	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
900	92.3	97.0	97.8	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
800	92.3	97.0	97.8	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
700	92.3	97.2	98.2	98.8	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	92.3	97.2	98.2	98.8	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	92.3	97.2	98.2	98.8	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	92.3	97.4	98.4	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	92.3	97.4	98.4	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	92.3	97.4	98.4	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	92.3	97.4	98.4	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.3	97.4	98.4	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 506

CEILING VERSUS VISIBILITY

77-82

1540-1700

TOTAL NUMBER OF OBSERVATIONS 505

USAF & TAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
33.9	34.5	34.6	34.7	34.7	34.8	34.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
42.2	42.6	43.8	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
45.7	46.6	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
45.9	46.8	46.9	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
47.2	48.1	48.1	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
52.2	51.2	51.3	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
56.3	57.2	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
59.0	60.2	60.3	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
66.4	68.0	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
71.4	73.1	73.3	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
73.8	75.5	75.8	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
77.6	79.7	79.9	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
79.7	81.8	82.0	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
83.3	85.6	85.9	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
85.9	88.5	88.8	88.9	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
88.5	91.6	92.0	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
91.4	93.7	94.1	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
91.7	94.5	95.1	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
91.1	94.8	95.5	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
91.7	95.7	96.5	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
92.1	96.2	97.0	97.4	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
92.4	96.7	97.4	97.9	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
92.5	96.8	97.6	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
92.5	96.9	97.7	98.2	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
92.6	97.0	97.8	98.4	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
92.6	97.0	97.9	98.5	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
92.7	97.2	98.1	98.8	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	97.3	98.2	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	97.3	98.3	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.7	97.3	98.3	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.7	97.3	98.3	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
92.7	97.3	98.3	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2696

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
A15 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

752515 FT WAINWRIGHT AAF AK

77-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-9500

CEILING FEET		VISIBILITY STATUTE MILES															
		≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
20000	1	31.3	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.5	32.5	32.5	32.5	32.5	32.5	32.5
	2	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	36.3	36.3	36.3	36.3	36.3	36.3	36.3
18000	1	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.8	38.8	38.8	38.8	38.8	38.8	38.8
	2	38.1	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4
14000	1	40.0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3
	2	42.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8
10000	1	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	2	53.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0
8000	1	63.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	2	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
6000	1	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.9	71.9	71.9	72.5	72.5	72.5	72.5	72.5
	2	73.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.6	75.6	75.6	76.3	76.3	76.3	76.3	76.3
4000	1	74.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	76.3	76.3	76.3	76.9	76.9	76.9	76.9	76.9
	2	76.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.6	80.6	80.6	81.3	81.3	81.3	81.3	81.3
2500	1	80.6	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.8	83.8	83.8	84.4	84.4	84.4	84.4	84.4
	2	81.3	83.8	84.4	84.4	84.4	84.4	84.4	84.4	85.0	85.0	85.0	85.6	85.6	85.6	85.6	85.6
2000	1	82.5	85.0	85.6	85.6	85.6	85.6	85.6	85.6	86.3	86.3	86.3	86.9	86.9	86.9	86.9	86.9
	2	83.8	86.3	86.9	86.9	86.9	86.9	86.9	86.9	87.5	87.5	87.5	88.1	88.1	88.1	88.1	88.1
1500	1	83.8	86.9	87.5	87.5	87.5	87.5	87.5	87.5	88.1	88.1	88.1	88.8	88.8	88.8	88.8	88.8
	2	85.1	88.1	88.8	88.8	88.8	88.8	88.8	88.8	89.4	89.4	89.4	90.0	90.0	90.0	90.0	90.0
1000	1	85.6	89.4	90.6	90.6	90.6	90.6	90.6	90.6	91.3	91.3	91.3	91.9	91.9	91.9	91.9	91.9
	2	85.6	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.9	91.9	91.9	92.5	92.5	92.5	92.5	92.5
800	1	85.6	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.9	91.9	91.9	92.5	92.5	92.5	92.5	92.5
	2	86.9	91.3	92.5	93.1	93.1	93.1	93.1	93.1	94.4	94.4	94.4	95.0	95.0	95.0	95.0	95.0
600	1	86.9	91.3	92.5	93.1	93.8	93.8	93.8	93.8	94.4	94.4	94.4	95.0	95.0	95.0	95.6	95.6
	2	86.9	91.3	92.5	93.1	93.8	93.8	93.8	93.8	94.4	94.4	94.4	95.0	95.0	95.0	95.6	95.6
400	1	86.9	91.3	92.5	93.1	94.4	94.4	94.4	94.4	95.0	95.0	95.0	95.6	95.6	95.6	96.3	96.3
	2	86.9	91.3	92.5	93.1	95.0	95.0	95.0	95.0	95.6	95.6	95.6	96.3	96.3	96.3	97.5	97.5
200	1	86.9	91.3	92.5	93.1	95.0	95.0	95.0	95.0	95.6	95.6	95.6	96.3	96.3	96.3	97.5	97.5
	2	87.5	91.9	93.1	93.8	95.6	95.6	95.6	95.6	96.9	96.9	96.9	97.5	97.5	97.5	98.8	98.8
100	1	87.5	91.9	93.1	93.8	95.6	95.6	95.6	95.6	96.9	96.9	96.9	97.5	97.5	97.5	98.8	98.8
	2	87.5	91.9	93.1	93.8	95.6	95.6	95.6	95.6	96.9	96.9	96.9	97.5	97.5	97.5	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 160

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

712615 FT WAINWRIGHT AAF AK

77-82

111

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

4900-1136

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
≥ 10000	34.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 8000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 6000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 4000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 2000	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 800	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 600	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 400	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 200	72.2	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 100	73.6	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 80	75.5	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 60	76.1	76.3	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 40	78.1	78.7	79.1	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 20	80.6	81.8	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 10	84.3	86.1	86.7	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 8	84.9	86.9	87.5	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 6	87.1	89.4	90.2	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4	87.7	90.2	91.0	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2	89.8	92.2	93.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1	92.2	95.1	95.9	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1/2	92.8	96.9	97.8	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1/4	92.8	96.9	97.8	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1/8	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/16	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/32	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/64	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/128	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/256	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1/512	93.0	97.3	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 890

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2615 FT WAINWRIGHT AAF AK

77-82

1111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

USDA STATISTICS																
FEET	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
100	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
400	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
500	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
600	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
700	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
800	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
900	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
1100	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
1200	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
1300	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
1400	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1500	90.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1600	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1700	94.3	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1800	94.3	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1900	95.1	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2000	96.1	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2100	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2200	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2300	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2400	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2600	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2700	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2800	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2900	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3000	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3100	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3200	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3300	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3400	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3500	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3600	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3700	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3800	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3900	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4000	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4100	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4200	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4300	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4400	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4500	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4600	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4700	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4800	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4900	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
5000	96.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 488

CEILING VERSUS VISIBILITY

77-82

~~1500-1700~~

TOTAL NUMBER OF OBSERVATIONS _____ 186

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7-26-15. FT HAINWRIGHT AAF AK

77-82

184C-2.00

TOTAL NUMBER OF OBSERVATIONS 481

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
LAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 26 15 FT WAINWRIGHT AAF AK

76

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

142-2326

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	21	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
18000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
16000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
14000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
12000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
10000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
8000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
6000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
4000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
2000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
1000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
500	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
200	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
100	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
50	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
20	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
10	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
5	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
2	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
1	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100

TOTAL NUMBER OF OBSERVATIONS 1

CEILING VERSUS VISIBILITY

77-82

All

TOTAL NUMBER OF OBSERVATIONS 2596

USAF ETAC 0-18-510L A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

77-62

44-38861-9222

TOTAL NUMBER OF OBSERVATIONS 173

USAF E-1A 0-14-510L-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

77-62

— 222 —

TOTAL NUMBER OF OBSERVATIONS

USAF EAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
USAF STAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-10-15 FT LAIN, BIGHT AAF AK

77-80

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

WIND SPEED	VISIBILITY (STAT MILES)															
	20	26	28	24	23	22	21	20	19	18	17	16	15	14	13	12
0-10	37.1	37.4	37.4	37.4	37.4	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
11-20	48.9	48.8	48.8	50.0	50.0	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
21-30	50.4	51.5	51.5	51.7	51.7	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
31-40	50.4	51.5	51.5	51.7	51.7	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
41-50	51.3	52.5	52.5	52.7	52.7	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
51-60	55.4	56.5	56.5	56.7	56.7	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
61-70	59.6	60.7	60.7	60.9	60.9	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
71-80	61.3	62.5	62.5	62.6	62.6	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
81-90	65.9	67.0	67.2	67.4	67.4	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
91-100	71.8	73.1	73.2	73.4	73.4	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
101-110	72.4	73.8	73.9	74.1	74.1	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
111-120	73.9	75.5	75.7	76.1	76.2	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
121-130	74.9	76.4	76.6	77.0	77.2	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
131-140	77.1	79.3	79.5	79.9	80.1	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
141-150	78.1	79.9	80.1	80.7	80.8	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
151-160	79.1	82.4	82.8	83.1	83.3	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
161-170	81.6	86.4	86.8	87.4	87.5	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
171-180	82.4	87.2	87.5	88.1	88.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
181-190	82.8	87.7	88.1	88.7	88.9	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
191-200	84.9	91.0	90.4	91.0	91.2	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
201-210	86.0	91.4	91.8	92.3	92.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
211-220	87.4	92.3	92.8	93.4	93.6	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
221-230	87.7	93.9	94.3	94.8	95.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
231-240	88.1	94.3	95.4	96.2	96.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
241-250	88.1	94.4	95.6	96.7	97.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
251-260	88.1	94.8	96.1	97.3	98.3	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
261-270	88.1	94.8	96.7	97.3	98.5	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
271-280	88.1	94.8	96.0	97.3	98.5	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
281-290	88.1	94.3	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
291-300	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
301-310	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
311-320	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
321-330	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
331-340	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
341-350	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
351-360	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
361-370	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
371-380	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
381-390	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
391-400	88.1	94.8	96.7	97.3	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 522

AF STAC 7-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 5615 FT HAINWRIGHT AAF AK

77-82

AND

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12.0-1400

VISIBILITY		CEILING															
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300
0-100	35.9	33.9	32.9	31.9	30.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
100-200	52.3	52.9	52.9	52.9	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
200-300	54.0	55.4	55.4	55.4	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
300-400	55.3	55.6	55.6	55.6	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
400-500	55.2	55.7	55.7	55.7	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
500-600	60.5	61.1	61.1	61.1	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
600-700	63.6	64.2	64.2	64.2	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
700-800	64.9	65.5	65.5	65.5	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
800-900	70.3	71.5	71.5	71.6	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
900-1000	74.3	75.5	75.5	75.7	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
1000-1100	75.5	76.6	76.6	76.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1100-1200	78.7	79.9	79.9	80.1	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
1200-1300	79.7	80.8	80.8	81.0	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1300-1400	82.4	83.5	83.5	83.7	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
1400-1500	84.7	85.8	85.8	86.0	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
1500-1600	87.9	89.5	89.5	89.7	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
1600-1700	90.2	92.0	92.0	92.1	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1700-1800	92.9	93.9	93.9	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1800-1900	92.1	94.1	94.1	94.3	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1900-2000	93.1	95.6	95.6	95.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2000-2100	94.5	97.9	97.9	98.3	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2100-2200	94.6	98.5	98.5	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2200-2300	94.5	98.5	98.5	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2300-2400	94.6	98.7	98.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2400-2500	94.6	95.7	99.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500-2600	94.6	98.9	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2600-2700	94.6	98.9	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2700-2800	94.6	98.9	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2800-2900	94.6	98.9	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2900-3000	94.6	98.9	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 122

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-25-15 FT WAINWRIGHT AAF AK

77-82

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1970

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥1000	35.2	36.8	36.8	36.8	37.4	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
900	52.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
800	53.4	54.1	54.1	54.1	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
700	54.1	54.9	54.9	54.9	55.5	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
600	55.5	56.3	56.3	56.3	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
500	62.7	61.5	61.5	61.5	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
400	64.7	65.7	65.7	65.7	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
300	65.1	65.9	65.9	65.9	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
200	70.1	70.9	70.9	70.9	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
100	75.5	76.3	76.3	76.3	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≤100	76.5	77.3	77.3	77.3	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≤50	79.4	80.3	80.3	80.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≤25	80.9	81.9	82.3	82.3	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≤15	84.4	85.4	85.7	85.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≤10	86.9	87.9	88.4	88.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≤5	90.6	91.7	92.3	92.3	93.3	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≤2	92.5	94.0	94.6	94.6	95.6	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≤1	93.9	95.6	96.3	96.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≤0.5	93.3	95.6	96.3	96.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≤0.25	94.1	96.1	96.9	96.9	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≤0.15	94.2	97.3	98.1	98.1	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≤0.1	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.05	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.025	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.015	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.01	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.005	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.0025	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.0015	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≤0.001	94.2	97.7	98.5	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 519

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72615

FT WAINWRIGHT AAF AK

77-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	41.7	42.1	42.3	42.3	42.7	42.7	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
9000	55.6	56.4	56.6	56.6	57.1	57.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
8000	56.8	57.5	57.7	57.7	58.3	58.3	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
7000	57.7	58.7	58.9	58.9	59.5	59.5	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6000	59.7	60.4	60.6	60.6	61.2	61.2	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
5000	64.5	65.3	65.4	65.4	66.0	66.0	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
4000	67.6	68.7	68.9	68.9	69.5	69.5	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
3000	68.3	69.5	69.7	69.7	70.3	70.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2000	76.4	77.8	78.0	78.0	78.6	78.6	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
1000	80.7	82.0	82.2	82.2	82.8	82.8	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
500	81.5	82.8	83.0	83.0	83.6	83.6	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
000	84.3	85.5	85.7	85.7	86.3	86.3	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
4500	84.4	85.9	86.3	86.3	86.9	86.9	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
4000	88.7	89.8	90.2	90.2	90.7	90.7	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3500	90.0	91.7	92.3	92.3	92.9	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
3000	92.7	94.6	95.2	95.2	95.8	95.8	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2500	93.4	95.4	95.9	95.9	96.5	96.5	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2000	93.6	95.6	96.3	96.3	96.9	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1500	93.6	95.3	96.3	96.3	96.9	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1000	93.6	96.3	96.9	96.9	97.7	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
500	93.6	96.5	97.3	97.3	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
000	93.6	96.5	97.3	98.1	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4500	93.6	96.5	97.3	98.1	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
000	93.6	96.5	97.3	98.1	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 518

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT WAINWRIGHT AAF AK

77-87

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

ELEVATION FEET		VISIBILITY STATISTICAL															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	FEET	37.6	38.0	38.7	38.0	37.3	36.6	36.6	36.8	36.8	36.8	36.9	33.9	36.9	36.9	39.1	39.1
900	FEET	50.0	50.8	50.9	50.9	51.2	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.9	52.0	52.1
800	FEET	51.4	52.4	52.4	52.5	52.8	53.1	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.6	53.6
700	FEET	51.9	52.6	52.8	52.9	53.2	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.8	53.9	54.0	54.1
600	FEET	53.2	54.1	54.1	54.2	54.5	54.8	54.8	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.3	55.4
500	FEET	57.7	58.7	58.7	58.7	59.0	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8	59.9
400	FEET	61.2	62.3	62.3	62.4	62.7	63.0	63.0	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.5	63.6
300	FEET	62.5	63.6	63.7	63.7	64.1	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.9	64.9
200	FEET	68.6	70.0	70.1	70.2	70.5	70.8	70.8	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.3	71.4
100	FEET	73.6	75.1	75.2	75.3	75.6	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.5	76.5
0	FEET	74.5	76.1	76.2	76.2	76.6	76.9	76.9	77.1	77.1	77.1	77.2	77.2	77.3	77.3	77.4	77.5
5000	FEET	76.9	78.6	78.7	78.8	79.3	79.6	79.7	79.8	79.9	79.9	80.0	80.0	80.0	80.1	80.2	80.3
4500	FEET	77.8	79.5	79.7	79.8	80.4	80.6	80.7	80.9	80.9	80.9	81.0	81.0	81.1	81.1	81.3	81.3
4000	FEET	81.0	82.8	83.0	83.1	83.6	83.9	84.0	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.6	84.6
3500	FEET	82.4	84.3	84.5	84.7	85.2	85.5	85.6	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.2	86.2
3000	FEET	84.7	87.2	87.5	87.6	88.2	88.5	88.5	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.1	89.2
2500	FEET	86.4	89.5	89.6	90.0	90.5	90.8	90.9	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.5	91.6
2000	FEET	87.4	90.6	90.9	91.1	91.6	92.0	92.0	92.2	92.3	92.3	92.4	92.4	92.4	92.5	92.6	92.7
1500	FEET	87.6	90.9	91.2	91.3	91.9	92.2	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.8	92.9	93.0
1000	FEET	88.5	92.2	92.5	92.6	93.2	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.1	94.1	94.2	94.3
500	FEET	89.1	93.3	93.7	93.9	94.5	94.8	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.5	95.6
0	FEET	89.7	94.5	95.1	95.6	96.4	96.7	96.8	97.0	97.0	97.0	97.1	97.2	97.3	97.3	97.4	97.5
5000	FEET	89.8	94.8	95.4	95.9	96.7	97.0	97.1	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.8	97.8
4500	FEET	89.9	95.0	95.7	96.2	97.0	97.4	97.5	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.3
4000	FEET	90.0	95.2	95.9	96.5	97.4	97.8	97.9	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.6	98.7
3500	FEET	90.1	95.4	96.2	96.9	97.8	98.2	98.3	98.5	98.6	98.7	98.8	98.8	98.8	98.9	99.0	99.1
3000	FEET	90.1	95.5	96.3	97.0	98.0	98.4	98.5	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.3	99.4
2500	FEET	90.1	95.5	96.3	97.0	98.0	98.4	98.6	98.8	98.9	99.0	99.2	99.2	99.3	99.3	99.5	99.6
2000	FEET	90.1	95.5	96.4	97.1	98.2	98.6	98.7	99.0	99.1	99.2	99.3	99.3	99.4	99.5	99.7	99.8
1500	FEET	90.1	95.5	96.4	97.1	98.2	98.6	98.7	99.0	99.1	99.2	99.4	99.4	99.5	99.6	99.8	99.9
1000	FEET	90.1	95.5	96.4	97.1	98.2	98.6	98.7	99.0	99.1	99.2	99.4	99.4	99.5	99.6	99.8	99.9
500	FEET	90.1	95.5	96.4	97.1	98.2	98.6	98.7	99.0	99.1	99.2	99.4	99.4	99.5	99.6	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 2774

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7:26:15 FT WAINWRIGHT AAF AK

77-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-0500

CEILING FEET		VISIBILITY STATUTE MILES															
		≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	20000	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
18000	18000	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
16000	16000	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
14000	14000	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
12000	12000	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
10000	10000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
8000	8000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
6000	6000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
4000	4000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2000	2000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
1000	1000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
500	500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
250	250	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
100	100	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
50	50	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
25	25	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
10	10	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
5	5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2	2	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
1	1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
0.5	0.5	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.25	0.25	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.1	0.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.05	0.05	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.025	0.025	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.01	0.01	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.005	0.005	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.0025	0.0025	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.001	0.001	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.0005	0.0005	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.00025	0.00025	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.0001	0.0001	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.00005	0.00005	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.000025	0.000025	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.00001	0.00001	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3

TOTAL NUMBER OF OBSERVATIONS 161

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-6600

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	28.1	23.5	28.5	28.5	23.5	28.5	28.5	28.5	28.5	28.5	28.7	28.9	28.9	29.1	29.1	29.3
20000	35.1	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	36.0	36.2	36.2	36.4	36.4	36.6
18000	37.0	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.0	38.2	38.2	38.4	38.4	38.6
16000	37.2	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.4	38.4	38.6	38.6	38.8
14000	38.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.5	39.7	39.7	39.9	39.9	40.1
12000	42.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.4	43.6	43.6	43.8	43.8	44.0
10000	46.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.3	48.6	48.6	48.8	48.8	49.0
8000	48.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.2	50.2	50.4	50.4	50.6
6000	56.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.7	59.7	59.9	59.9	60.1
4000	59.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.0	63.2	63.2	63.4	63.4	63.6
2000	60.7	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.8	64.0	64.0	64.3	64.3	64.5
1000	64.5	67.8	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.6	68.6	68.8	68.8	69.0
500	66.3	69.8	70.0	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.7	70.9	70.9	71.1	71.1	71.3
200	68.8	72.9	73.1	73.1	73.6	73.6	73.6	73.6	73.6	73.6	74.0	74.2	74.2	74.4	74.4	74.6
100	68.8	74.4	75.0	75.0	75.4	75.6	75.6	75.6	75.6	75.6	75.8	76.0	76.0	76.2	76.2	76.4
50	69.6	75.8	76.4	77.1	77.5	77.7	77.7	77.7	77.7	77.7	77.9	78.3	78.3	78.5	78.5	78.7
25	70.2	78.1	79.3	80.2	80.6	80.8	80.8	80.8	80.8	80.8	81.0	81.4	81.4	81.6	81.6	81.8
15	71.9	80.2	81.4	82.2	82.9	83.1	83.1	83.1	83.1	83.1	83.3	83.7	83.7	83.9	83.9	84.1
10	71.9	81.2	81.4	82.2	82.9	83.1	83.1	83.1	83.1	83.1	83.3	83.7	83.7	83.9	83.9	84.1
5	72.1	81.2	82.2	83.1	84.1	84.3	84.5	84.5	84.5	84.5	84.7	85.1	85.1	85.3	85.3	85.5
2	73.6	82.6	84.1	84.9	86.0	86.2	86.4	86.4	86.4	86.4	86.6	87.0	87.0	87.2	87.2	87.4
1	74.0	83.1	84.7	85.5	86.6	86.8	87.0	87.0	87.0	87.0	87.4	87.8	87.8	88.0	88.0	88.2
0.5	74.0	83.1	84.7	85.5	86.6	86.8	87.0	87.0	87.0	87.0	87.4	87.8	87.8	88.0	88.0	88.2
0.25	74.2	83.3	84.9	85.7	86.8	87.2	87.4	87.4	87.4	87.4	87.8	88.2	88.2	88.6	88.6	88.8
0.1	74.4	84.1	85.7	86.6	87.6	88.6	89.3	89.3	89.3	89.3	90.1	90.7	90.7	91.5	91.5	91.7
0.05	74.8	85.1	87.4	88.4	89.5	90.5	91.7	91.3	91.3	91.3	92.1	92.8	93.2	93.8	93.8	94.4
0.025	74.8	85.1	87.4	88.6	89.7	90.7	91.9	92.6	93.0	93.0	93.4	94.0	94.6	95.7	95.7	96.3
0.01	74.8	85.3	87.8	89.0	90.1	91.1	92.4	93.4	93.8	93.8	94.8	95.5	96.1	97.1	97.1	97.5
0.005	74.8	85.3	87.8	89.0	90.1	91.1	92.6	93.6	94.0	94.0	95.0	95.9	96.5	97.5	97.7	98.3
0.0025	74.8	85.3	87.8	89.0	90.1	91.1	92.6	93.6	94.0	94.0	95.0	95.9	96.5	97.5	97.7	98.3

TOTAL NUMBER OF OBSERVATIONS 484

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2515 FT WAINWRIGHT AAF AK

77-82

SLP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	31.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
18000	36.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
16000	38.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
14000	40.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
12000	42.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
10000	46.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
8000	49.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
6000	53.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
4000	60.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
2000	64.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
1000	66.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
500	66.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
250	69.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
150	71.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
100	72.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
75	74.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
50	75.4	82.4	82.4	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
25	76.9	84.1	84.3	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
15	77.1	84.3	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
10	78.3	86.2	87.0	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
7.5	79.1	87.0	87.8	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
5	79.8	88.2	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5	80.0	88.8	89.9	89.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
1.5	80.6	90.7	91.9	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1	80.6	90.7	92.4	92.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
.75	81.2	93.2	94.6	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
.5	82.0	94.0	95.5	95.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
.25	82.0	94.2	95.7	96.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
.15	82.0	94.4	95.9	96.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
.1	82.0	94.4	95.9	96.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
.075	82.0	94.4	95.9	96.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 484

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT WAINWRIGHT AAF AK

77-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1-000

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
27.3	23.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
36.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
40.4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
42.9	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
46.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
51.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
56.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
65.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
73.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
72.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
73.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
77.2	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
78.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
82.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
84.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
85.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
85.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
87.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
89.7	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
91.3	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
92.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
92.3	99.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
92.8	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
92.8	99.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
92.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
92.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
92.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.8	99.0	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.8	99.0	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.8	99.0	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 483

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	20.4	20	19.4	19	18.4	18	17.4	17
NO. CEILING 20000	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2 8000	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2 6000	38.9	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
2 4000	40.4	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 2000	42.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2 1000	49.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2 1000	56.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
2 1000	58.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
2 1000	67.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2 1000	72.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
2 1000	73.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 1000	75.6	77.8	77.8	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2 1000	76.8	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2 1000	80.1	82.4	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
2 1000	80.7	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
2 1000	84.1	87.2	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2 1000	86.1	90.5	90.5	90.5	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
2 1000	88.6	93.0	93.8	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2 1000	88.8	93.4	94.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
2 1000	90.7	95.7	96.5	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2 1000	90.7	95.9	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2 1000	91.5	97.1	97.9	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2 1000	92.1	97.7	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 1000	92.1	97.7	98.6	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 1000	92.3	97.9	98.8	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 1000	92.5	98.1	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	92.5	98.1	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	92.5	98.1	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	92.5	98.1	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1000	92.5	98.1	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 483

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

77-82

52

~~1935-200~~

TOTAL NUMBER OF OBSERVATIONS 483

USAF F-105 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

74

100-2300

THE UNIVERSITY OF CHICAGO

[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

USAF PAC 0-14-5 DL A REF: 0-14-5 DL A REF: 0-14-5 DL A REF: 0-14-5 DL A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 15 15 FT MAINWRIGHT AAF AK

77-80

548

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
10	30.4	31.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
15	37.1	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
20	39.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
25	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
30	41.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
35	45.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
40	51.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
45	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
50	63.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
55	67.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
60	68.7	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
65	71.3	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
70	72.6	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
75	75.4	79.2	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
80	76.1	80.4	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
85	78.7	83.6	83.8	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
90	81.0	85.9	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
95	81.6	87.8	88.5	88.6	88.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
100	81.3	88.1	88.7	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
105	82.3	89.6	90.5	90.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
110	83.6	90.7	91.0	91.9	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
115	84.5	91.6	92.6	93.1	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
120	85.7	92.5	93.5	93.8	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
125	85.1	93.0	94.0	94.3	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
130	85.2	93.1	94.2	94.6	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
135	85.5	93.2	94.2	95.3	96.2	96.4	96.5	96.6	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
140	85.7	94.2	95.4	95.8	96.7	96.9	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7
145	85.7	94.2	95.5	95.9	97.0	97.2	97.6	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7
150	85.7	94.3	95.6	96.1	97.1	97.4	97.8	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9
155	85.7	94.3	95.6	96.1	97.1	97.4	97.8	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0
160	85.7	94.3	95.6	96.1	97.1	97.4	97.8	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 2579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2615 FT WAINWRIGHT AAF AK

77-82

483

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-000

CEILING	20	26	31	34	37	41	46	51	56	61	66	71	76	81	86	91	96	100
100	28.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
90	33.5	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
80	34.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
70	34.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
60	35.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
50	35.2	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
40	37.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
30	38.2	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
20	42.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
10	46.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
0	46.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
90	47.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
80	47.2	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
70	51.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
60	52.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
50	53.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
40	57.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
30	58.7	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
20	59.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
10	59.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
0	59.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
90	59.3	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
80	59.1	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
70	59.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
60	59.9	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
50	59.9	82.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
40	59.9	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
30	59.9	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
20	59.9	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
10	59.9	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
0	59.9	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS 167

USAF ETAC 0-14-510L A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

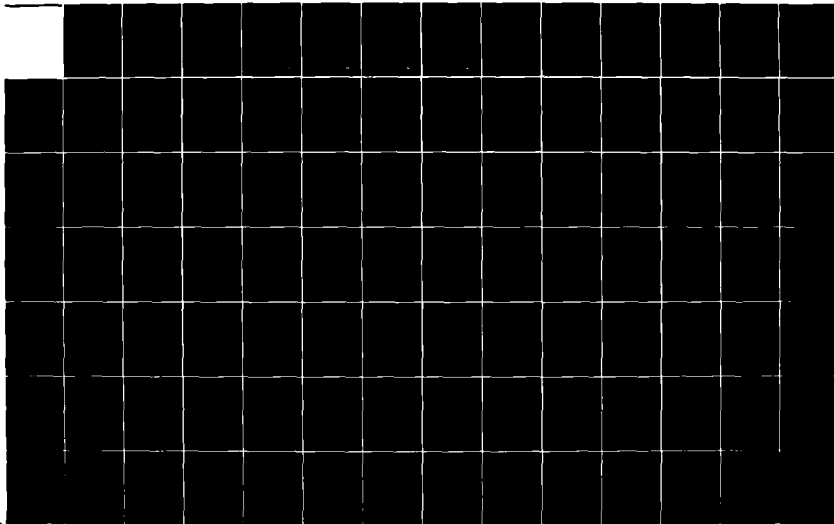
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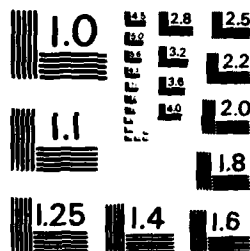
PORT WAINWRIGHT WAINWRIGHT AAF ALASKA LIMITED SURFACE
OBSERVATIONS CLIMAT. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 13 OCT 83
USAFETAC/DS-83/044 SBI-AD-E850 487 F/G 4/2

35

UNCLASSIFIED

NI





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615

FT WAINWRIGHT AAF AK

77-82

001

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	26.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 20000	31.0	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 18000	32.0	33.3	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	32.2	33.5	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 14000	33.1	34.5	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 12000	34.7	36.1	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 10000	39.8	41.2	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 9000	40.4	42.0	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 8000	47.1	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	50.8	54.1	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	52.2	56.1	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 5000	58.7	59.6	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4500	55.3	60.8	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000	59.2	65.3	65.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	61.0	68.0	68.6	69.8	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	62.4	69.6	70.4	71.8	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	64.3	72.9	73.9	75.3	76.7	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2000	66.3	75.5	77.3	78.8	80.4	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1800	66.3	75.5	77.3	78.8	80.6	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	66.5	76.7	78.8	80.4	82.5	83.3	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1200	66.9	77.5	80.0	81.6	84.5	85.7	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1000	67.1	78.2	81.0	82.5	85.9	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	67.1	78.2	81.0	82.5	85.9	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 800	67.5	78.8	81.8	83.3	86.9	88.8	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	67.6	79.8	82.7	84.5	88.0	90.0	90.4	90.4	90.8	90.8	90.8	90.8	90.8	91.0	91.2
≥ 600	67.6	80.0	82.9	84.7	88.2	90.2	91.4	91.8	92.2	92.4	92.4	92.4	92.4	92.7	92.9
≥ 500	68.2	80.8	83.9	85.7	90.0	92.2	93.5	94.1	94.5	94.7	94.7	94.7	94.7	94.9	95.1
≥ 400	68.4	81.6	84.7	86.7	91.0	93.1	94.5	95.1	95.5	95.7	95.7	95.7	95.7	95.9	96.1
≥ 300	68.4	81.6	84.9	87.1	92.2	94.3	95.7	96.3	96.7	96.9	96.9	96.9	96.9	97.1	97.3
≥ 200	68.4	81.6	84.9	87.1	92.2	94.3	95.7	96.3	96.7	97.1	97.1	97.1	97.1	97.3	97.5
≥ 100	68.4	81.6	84.9	87.1	92.2	94.3	95.7	96.3	96.7	97.3	97.3	97.3	97.3	97.5	97.7
≥ 0	68.4	81.6	84.9	87.1	92.2	94.3	95.7	96.3	96.7	97.3	97.3	97.3	97.3	97.5	97.7

TOTAL NUMBER OF OBSERVATIONS 510

USAF ETAC FORM 101-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-82

067

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.4	22.2	22.2	22.2	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 20000	31.0	31.8	31.8	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 18000	32.7	33.5	33.5	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 16000	33.7	34.5	34.5	34.5	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 14000	36.3	37.1	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 12000	38.8	39.6	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 10000	43.7	44.5	44.5	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 9000	44.3	45.7	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 8000	53.7	55.1	55.1	55.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 7000	57.8	59.2	59.2	59.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 6000	59.4	61.2	61.2	61.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 5000	61.8	64.1	64.1	64.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	62.4	65.7	65.7	65.7	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	65.5	69.4	70.2	70.2	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 3500	66.9	72.7	74.1	74.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	68.4	74.9	76.3	76.3	77.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	70.2	77.5	79.0	79.0	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2000	71.0	79.0	80.8	80.8	83.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	71.2	79.2	81.0	81.0	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1500	71.6	80.6	82.4	82.4	83.5	85.7	86.9	87.3	87.5	87.5	88.2	88.4	88.4	88.4	88.4	88.4
IV 1200	72.5	81.6	83.5	83.5	84.7	87.1	88.6	89.0	89.4	89.4	90.2	90.4	90.4	90.4	90.4	90.4
IV 1000	72.9	82.9	84.9	84.9	86.3	89.0	90.6	91.4	91.8	91.8	93.1	93.3	93.3	93.3	93.3	93.3
IV 900	73.3	83.5	85.5	85.5	86.9	89.6	91.2	92.0	92.4	92.4	93.7	93.9	93.9	93.9	93.9	93.9
IV 800	73.3	83.5	85.5	85.5	86.9	89.6	91.2	92.0	92.4	92.4	93.7	93.9	93.9	93.9	93.9	93.9
IV 700	73.3	84.5	86.5	86.5	88.0	91.4	93.1	93.9	94.3	94.3	95.7	96.1	96.1	96.1	96.1	96.1
IV 600	73.3	85.3	87.3	87.3	88.8	92.2	94.1	95.1	95.5	95.5	97.3	98.0	98.2	98.2	98.2	98.2
IV 500	73.3	85.3	87.3	87.3	88.8	92.2	94.1	95.1	95.5	95.5	97.3	98.0	98.2	98.2	98.2	98.2
IV 400	73.3	85.5	87.5	87.5	89.4	92.7	94.7	95.9	96.3	96.5	98.2	99.0	99.2	99.2	99.2	99.2
IV 300	73.3	85.5	87.5	87.5	89.4	92.7	94.7	95.9	96.5	96.7	98.4	99.2	99.4	99.4	99.4	99.4
IV 200	73.3	85.5	87.5	87.5	89.4	92.7	94.7	95.9	96.5	96.7	98.4	99.2	99.4	99.4	99.4	99.4
IV 100	73.3	85.5	87.5	87.5	89.4	92.7	94.7	95.9	96.5	96.7	98.4	99.2	99.4	99.4	99.4	99.4
IV 0	73.3	85.5	87.5	87.5	89.4	92.7	94.7	95.9	96.5	96.7	98.4	99.2	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 510

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	≥0
NO CEILING	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 20000	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
18000	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
16000	36.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
14000	38.6	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
12000	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
10000	46.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
9000	48.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
8000	60.0	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
7000	62.9	64.7	65.1	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
6000	63.5	65.3	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
5000	64.7	66.5	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
4500	66.5	69.2	70.2	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
4000	69.2	72.5	73.7	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3500	71.4	76.5	77.6	77.8	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
3000	72.4	78.0	79.6	80.0	80.8	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2500	73.5	80.0	81.8	82.2	83.3	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2000	74.5	82.2	84.1	84.7	86.3	86.9	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
1800	74.7	82.4	84.3	84.9	86.5	87.1	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1500	75.7	84.3	86.5	87.1	88.6	89.6	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
1200	76.1	85.1	87.5	88.0	90.2	91.6	92.2	92.4	92.4	92.4	92.7	93.1	93.1	93.1	93.1	93.1
1000	77.1	86.7	89.0	89.6	92.0	93.5	94.3	94.5	94.7	95.1	95.5	95.5	95.5	95.5	95.5	95.5
900	77.3	86.9	89.2	89.8	92.2	93.7	94.5	94.7	94.9	95.3	95.7	95.7	95.7	95.7	95.7	95.7
800	77.3	86.9	89.2	89.8	92.2	93.7	94.7	94.9	95.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
700	77.3	87.8	90.2	90.8	93.1	94.9	95.7	95.9	96.5	96.9	97.5	97.6	97.6	97.6	97.6	97.6
600	77.3	87.8	90.2	90.8	93.1	95.3	96.5	96.7	97.3	97.6	98.2	98.6	98.6	98.6	98.6	98.6
500	77.3	87.8	90.2	90.8	93.5	95.7	96.9	97.1	97.6	98.2	98.8	99.2	99.4	99.4	99.4	99.4
400	77.3	87.8	90.2	91.0	93.7	95.9	97.3	97.5	98.0	98.6	99.2	99.6	99.8	99.8	99.8	99.8
300	77.3	87.8	90.2	91.0	93.7	95.9	97.3	97.5	98.0	98.6	99.4	99.8	100.0	100.0	100.0	100.0
200	77.3	87.8	90.2	91.0	93.7	95.9	97.3	97.5	98.0	98.6	99.4	99.8	100.0	100.0	100.0	100.0
100	77.3	87.8	90.2	91.0	93.7	95.9	97.3	97.5	98.0	98.6	99.4	99.8	100.0	100.0	100.0	100.0
0	77.3	87.8	90.2	91.0	93.7	95.9	97.3	97.5	98.0	98.6	99.4	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

702615

FT WAINWRIGHT AAF AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING ≥ 20000	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.7	24.7	24.7
≥ 18000	31.8	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.7	32.7	32.7
≥ 16000	35.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.1	37.1	37.1
≥ 14000	37.5	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.6
≥ 12000	40.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.4
≥ 10000	45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7
≥ 9000	50.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2	51.2
≥ 8000	51.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9
≥ 7000	57.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.4	59.4	59.4
≥ 6000	62.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.5	64.5	64.5
≥ 5000	62.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5
≥ 4500	65.5	67.6	67.6	67.6	67.6	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.2
≥ 4000	67.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4
≥ 3500	69.0	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5
≥ 3000	71.8	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.5
≥ 2500	73.5	78.6	78.6	78.6	79.2	79.4	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.8	80.8	80.8
≥ 2000	75.1	80.6	81.0	81.2	82.0	82.5	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.5	84.5	84.5
≥ 1800	76.1	82.5	83.1	83.5	84.5	85.1	86.7	86.9	87.5	87.5	87.5	87.5	87.5	87.8	87.8	87.8
≥ 1500	76.3	83.3	83.9	84.3	86.1	87.1	88.6	89.0	89.8	89.8	89.8	90.0	90.0	90.4	90.4	90.4
≥ 1200	76.5	83.5	84.1	84.9	86.9	88.0	89.8	90.4	91.2	91.2	91.4	91.4	91.4	91.8	91.8	91.8
≥ 1000	77.4	85.1	85.7	86.7	89.2	90.4	92.5	93.3	94.1	94.9	95.1	95.1	95.1	95.5	95.5	95.5
≥ 900	77.6	85.1	86.1	87.1	89.6	90.8	92.9	93.7	94.5	95.3	95.5	95.5	95.5	95.9	95.9	95.9
≥ 800	77.8	85.5	86.5	87.5	90.4	92.0	94.5	95.3	96.1	96.9	97.5	97.5	97.5	97.8	97.8	97.8
≥ 700	77.8	86.1	87.1	88.0	91.0	92.5	95.1	96.1	96.9	97.6	98.2	98.2	98.2	98.6	98.6	98.6
≥ 600	77.8	86.1	87.1	88.0	91.0	92.5	95.1	96.1	96.9	97.6	98.2	98.2	98.2	98.6	98.6	98.6
≥ 500	77.8	86.1	87.1	88.0	91.0	92.5	95.1	96.1	97.1	97.8	98.6	98.6	98.6	99.2	99.2	99.2
≥ 400	77.8	86.1	87.1	88.0	91.2	92.7	95.3	96.3	97.3	98.0	98.8	98.8	98.8	99.4	99.4	99.4
≥ 300	77.8	86.1	87.1	88.0	91.2	92.7	95.3	96.3	97.3	98.0	98.8	98.8	98.8	99.4	99.4	99.4
≥ 200	77.8	86.1	87.1	88.0	91.2	92.7	95.5	96.7	97.6	98.6	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	77.8	86.1	87.1	88.0	91.2	92.7	95.5	96.7	97.6	98.6	99.4	99.4	99.4	100.0	100.0	100.0
≥ 0	77.8	86.1	87.1	88.0	91.2	92.7	95.5	96.7	97.6	98.6	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 510

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615

FT WAINWRIGHT AAF AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	24.3	27.8	27.8	27.8	29.0	28.0	28.0	28.0	28.0	28.2	28.4	28.4	28.8	28.8	29.0	29.0
> 20000	30.6	38.5	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.9	35.1	35.1	35.5	35.5	35.7	35.7
≥ 18000	33.5	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.4	38.6	38.6	39.0	39.0	39.2	39.2
≥ 16000	33.5	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.4	38.6	38.6	39.0	39.0	39.2	39.2
> 14000	36.5	41.0	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.4	41.6	41.6	42.0	42.0	42.2	42.2
> 12000	40.2	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.3	45.5	45.5	45.9	45.9	46.1	46.1
≥ 10000	44.3	49.4	49.4	49.4	49.8	49.8	49.8	49.8	49.8	50.0	50.2	50.2	50.6	50.6	50.8	50.8
≥ 9000	44.9	50.2	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.8	51.0	51.0	51.4	51.4	51.6	51.6
≥ 8000	49.8	55.7	55.7	55.9	56.3	56.3	56.3	56.3	56.3	56.5	56.7	56.7	57.1	57.1	57.3	57.3
≥ 7000	53.9	61.2	61.2	61.4	62.0	62.0	62.0	62.0	62.0	62.2	62.4	62.4	62.8	62.8	62.9	62.9
≥ 6000	54.7	62.0	62.0	62.2	62.7	62.7	62.7	62.7	62.7	62.9	63.1	63.1	63.5	63.5	63.7	63.7
≥ 5000	57.3	64.9	64.9	65.1	65.7	65.7	65.7	65.7	65.7	65.9	66.1	66.1	66.5	66.5	66.7	66.7
≥ 4500	58.4	66.3	66.3	66.5	67.1	67.1	67.1	67.1	67.1	67.3	67.5	67.5	67.8	67.8	68.0	68.0
≥ 4000	61.2	70.8	70.8	71.0	71.6	71.6	71.6	71.6	71.6	71.8	72.0	72.0	72.4	72.4	72.5	72.5
≥ 3500	63.1	74.1	74.3	74.5	75.1	75.1	75.1	75.1	75.1	75.3	75.5	75.5	75.9	75.9	76.1	76.1
≥ 3000	65.9	77.5	78.2	78.4	80.0	80.0	80.0	80.0	80.0	80.2	80.4	80.4	80.8	80.8	81.0	81.0
≥ 2500	66.3	79.2	80.0	80.6	82.0	82.4	82.4	82.5	82.5	82.7	82.9	82.9	83.3	83.3	83.5	83.5
≥ 2000	66.9	80.2	81.0	82.2	84.7	85.1	85.1	85.3	85.3	85.5	85.7	85.7	86.1	86.1	86.3	86.3
≥ 1800	66.9	80.2	81.0	82.2	84.7	85.1	85.1	85.3	85.3	85.5	85.7	85.7	86.1	86.1	86.3	86.3
≥ 1500	67.5	81.6	82.4	83.9	86.9	87.3	87.6	88.0	88.0	88.2	88.4	88.4	88.8	88.8	89.0	89.0
≥ 1200	67.5	82.2	82.9	84.5	87.6	88.0	88.8	89.2	89.2	89.4	89.6	89.6	90.0	90.0	90.2	90.2
≥ 1000	67.5	83.3	84.1	85.7	89.2	89.6	91.2	91.6	91.6	91.8	92.0	92.0	92.4	92.4	92.5	92.5
≥ 900	68.2	83.7	84.5	86.1	89.6	90.0	91.6	92.0	92.0	92.7	93.1	93.1	93.5	93.5	93.7	93.7
≥ 800	68.8	84.3	85.1	86.7	90.6	91.0	92.5	92.9	92.9	93.9	94.5	94.5	94.9	94.9	95.1	95.1
≥ 700	69.0	85.5	86.3	88.0	92.0	92.4	94.1	94.5	94.7	95.7	96.5	96.5	96.9	96.9	97.1	97.1
≥ 600	69.0	85.5	86.3	88.0	92.2	92.5	94.3	94.9	95.1	96.9	97.4	97.4	97.8	97.8	98.0	98.0
≥ 500	69.0	85.5	86.3	88.0	92.2	92.5	94.3	94.9	95.7	97.5	98.4	98.4	98.8	98.8	99.0	99.0
≥ 400	69.0	85.5	86.3	88.0	92.2	92.5	94.3	94.9	95.7	97.5	98.4	98.4	98.8	98.8	99.0	99.0
≥ 300	69.0	85.5	86.3	88.0	92.2	92.5	94.3	94.9	95.7	97.5	98.4	98.4	98.8	98.8	99.0	99.0
≥ 200	69.0	85.5	86.3	88.0	92.4	92.7	94.7	95.3	96.1	97.8	98.8	98.8	99.2	99.2	99.4	99.4
≥ 100	69.0	85.5	86.3	88.0	92.4	92.7	94.7	95.3	96.1	97.8	98.8	98.8	99.2	99.2	99.4	99.4
≥ 0	69.0	85.5	86.3	88.0	92.4	92.7	94.7	95.3	96.1	97.8	98.8	98.8	99.2	99.2	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 530

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT MAINWRIGHT AAF AK

78-82

DCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	45.5	45.5	50.0
≥ 20000	27.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	50.0	50.0	54.5
18000	27.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	50.0	50.0	54.5
16000	27.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	50.0	50.0	54.5
14000	27.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	50.0	50.0	54.5
12000	36.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	59.1	59.1	63.6
10000	36.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	59.1	59.1	63.6
9000	36.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	59.1	59.1	63.6
8000	40.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	63.6	63.6	68.2
7000	45.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	68.2	68.2	72.7
6000	45.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	68.2	68.2	72.7
5000	45.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	68.2	68.2	72.7
4500	45.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	68.2	68.2	72.7
4000	45.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	72.7	72.7	77.3
3500	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
3000	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
2500	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
2000	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
1800	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
1500	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
1200	50.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	77.3	77.3	81.8
1000	50.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	81.8	81.8	86.4
900	50.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	81.8	81.8	86.4
800	50.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	81.8	81.8	86.4
700	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
600	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
500	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
400	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
300	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
200	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
100	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9
0	54.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.4	86.4	90.9

TOTAL NUMBER OF OBSERVATIONS 22

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT MAINWRIGHT AAF AK

77-82

DCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	24.0	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.9	25.9	26.0	26.0	26.1	26.1
≥ 20000	30.9	32.7	32.7	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.1	33.1	33.1	33.2
≥ 18000	33.7	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.0	36.0	36.0	36.1	36.1	36.2	36.2
≥ 16000	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	37.1	37.1	37.1	37.1
≥ 14000	36.8	38.8	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.2	39.2	39.3	39.3
≥ 12000	39.9	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.5	42.5	42.5	42.6
≥ 10000	44.4	46.6	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	47.1	47.1	47.1	47.1
≥ 9000	45.5	48.0	48.0	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5	48.6
≥ 8000	52.9	55.8	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.4	56.4	56.4	56.5
≥ 7000	56.7	60.3	60.5	60.6	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.2	61.3
≥ 6000	57.7	61.5	61.7	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.5	62.6
≥ 5000	59.8	64.1	64.3	64.5	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.2	65.3
≥ 4500	61.1	66.0	66.3	66.5	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.3	67.3
≥ 4000	63.9	69.7	70.1	70.4	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.3	71.3	71.8	71.8
≥ 3500	65.8	73.2	73.9	74.3	74.9	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.4	75.4	75.5	75.5
≥ 3000	67.5	75.3	76.2	76.7	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.6	78.6	78.7	78.8
≥ 2500	69.0	77.7	78.8	79.4	80.7	81.2	81.6	81.6	81.7	81.8	81.9	81.9	82.0	82.0	82.1	82.2
≥ 2000	70.0	79.6	80.9	81.8	83.6	84.3	84.7	84.8	85.0	85.1	85.2	85.2	85.4	85.4	85.5	85.5
≥ 1800	70.1	79.7	81.1	81.9	83.8	84.4	84.9	85.0	85.1	85.2	85.3	85.3	85.5	85.5	85.6	85.7
≥ 1500	70.6	81.1	82.5	83.5	85.7	86.5	87.1	87.4	87.6	87.8	87.9	87.9	88.1	88.1	88.2	88.3
≥ 1200	70.9	81.7	83.3	84.3	86.9	88.0	88.7	89.0	89.2	89.4	89.6	89.6	89.8	89.8	89.9	90.0
≥ 1000	71.5	83.0	84.6	85.7	88.7	89.9	91.0	91.3	91.6	92.1	92.3	92.3	92.5	92.5	92.6	92.7
≥ 900	71.7	83.2	84.9	86.1	89.0	90.3	91.3	91.7	91.9	92.6	92.8	92.8	93.0	93.0	93.1	93.1
≥ 800	71.9	83.5	85.2	86.4	89.6	91.1	92.2	92.6	92.9	93.6	94.0	94.0	94.2	94.3	94.4	94.5
≥ 700	72.1	84.5	86.2	87.5	90.8	92.3	93.5	93.9	94.3	95.0	95.4	95.5	95.7	95.7	95.8	95.9
≥ 600	72.1	84.7	86.4	87.7	91.0	92.6	94.1	94.7	95.0	96.1	96.6	96.8	97.0	97.1	97.2	97.3
≥ 500	72.2	84.9	86.7	88.0	91.5	93.1	94.7	95.3	95.8	96.9	97.5	97.7	98.0	98.0	98.1	98.2
≥ 400	72.2	85.1	86.9	88.3	91.9	93.5	95.1	95.7	96.3	97.4	98.0	98.3	98.6	98.7	98.8	98.9
≥ 300	72.2	85.1	87.0	88.5	92.2	93.9	95.4	96.1	96.6	97.8	98.4	98.8	99.1	99.2	99.3	99.3
≥ 200	72.2	85.1	87.0	88.5	92.3	93.9	95.5	96.2	96.8	98.0	98.6	99.0	99.4	99.5	99.6	99.7
≥ 100	72.2	85.1	87.0	88.5	92.3	93.9	95.5	96.2	96.8	98.1	98.7	99.1	99.5	99.5	99.8	100.0
≥ 0	72.2	85.1	87.0	88.5	92.3	93.9	95.5	96.2	96.8	98.1	98.7	99.1	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2238

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615

FT WAINWRIGHT AAF AK

77-79-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	42.1	47.4	48.1	48.1	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.6	49.6	49.6	50.4	50.4
≥20000	42.9	48.1	48.9	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.4	50.4	50.4	51.1	51.1
IV 18000	42.9	48.9	49.6	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	51.1	51.1	51.1	51.9	51.9
IV 16000	42.9	48.9	49.6	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	51.1	51.1	51.1	51.9	51.9
IV 14000	42.9	48.9	49.6	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	51.1	51.1	51.1	51.9	51.9
IV 12000	43.6	50.4	51.1	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.6	52.6	52.6	53.4	53.4
IV 10000	45.1	51.9	52.6	52.6	53.4	53.4	53.4	53.4	53.4	53.4	53.4	54.1	54.1	54.1	54.9	54.9
IV 9000	45.9	53.4	54.1	54.1	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.6	55.6	55.6	56.4	56.4
IV 8000	48.9	57.1	57.9	57.9	58.6	58.6	58.6	58.6	58.6	58.6	58.6	59.4	59.4	59.4	60.2	60.2
IV 7000	51.9	62.4	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.7	64.7	64.7	65.4	65.4
IV 6000	51.9	62.4	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.7	64.7	64.7	65.4	65.4
IV 5000	53.4	65.4	66.2	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.7	67.7	67.7	68.4	68.4
IV 4500	53.4	66.9	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.2	69.2	69.2	69.9	69.9
IV 4000	57.9	72.2	72.9	72.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	75.2	75.2	75.2	75.9	75.9
IV 3500	60.9	75.9	76.7	77.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.7	79.7	79.7	80.5	80.5
IV 3000	63.2	79.7	80.5	81.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.5	83.5	83.5	84.2	84.2
IV 2500	63.9	82.7	83.5	84.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.5	86.5	86.5	87.2	87.2
IV 2000	63.9	85.0	85.7	86.5	88.0	88.7	88.7	88.7	89.5	89.5	89.5	90.2	90.2	90.2	91.0	91.0
IV 1800	63.9	85.0	85.7	86.5	88.0	88.7	88.7	89.5	89.5	89.5	89.5	90.2	90.2	90.2	91.0	91.0
IV 1500	64.7	86.5	87.2	88.0	90.2	91.7	91.7	92.5	92.5	92.5	92.5	93.2	93.2	93.2	94.0	94.0
IV 1200	64.7	87.2	88.0	88.7	91.0	92.5	92.5	93.2	93.2	93.2	93.2	94.0	94.0	94.0	94.7	94.7
IV 1000	64.7	88.0	88.7	90.2	92.5	94.0	94.0	94.7	94.7	94.7	95.5	96.2	96.2	96.2	97.0	97.0
IV 900	64.7	88.0	88.7	90.2	92.5	94.0	94.0	94.7	94.7	94.7	95.5	96.2	96.2	96.2	97.0	97.0
IV 800	64.7	88.7	90.2	91.7	94.0	96.2	96.2	97.0	97.0	97.0	97.7	98.5	98.5	98.5	99.2	99.2
IV 700	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 600	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 500	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 400	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 300	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 200	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 100	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0
IV 0	64.7	89.5	91.0	92.5	94.7	97.0	97.0	97.7	97.7	97.7	98.5	99.2	99.2	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 133

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

752615 FT WAINWRIGHT AAF AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	32.3	37.2	37.4	38.0	38.9	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.5	39.5	39.5
IV 18000	36.9	42.0	42.3	42.9	43.7	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.8	44.8	44.8
IV 16000	38.4	43.9	44.2	44.8	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3
IV 14000	38.8	43.9	44.2	44.8	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3
IV 12000	39.1	44.8	45.0	45.6	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.1	47.1	47.1
IV 10000	41.0	47.3	47.6	48.2	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7	49.7	49.7
IV 9000	43.9	50.7	51.0	51.6	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1
IV 8000	45.2	52.2	52.4	53.1	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
IV 7000	49.9	58.2	58.4	59.0	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.5
IV 6000	54.1	64.8	65.0	65.8	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7
IV 5000	54.8	65.4	65.6	66.5	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.4
IV 4500	55.2	67.1	67.3	68.2	69.0	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1
IV 4000	55.4	68.6	68.8	70.3	71.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2
IV 3500	57.5	71.3	71.5	73.0	73.9	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9
IV 3000	60.7	74.9	75.6	77.1	78.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4
IV 2500	62.8	77.5	78.3	80.3	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8
IV 2000	63.5	80.0	80.9	83.0	84.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.0
IV 1800	64.3	81.5	82.6	84.9	86.6	87.9	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5
IV 1500	64.5	82.0	83.0	85.4	87.3	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2
IV 1200	65.0	82.6	83.7	86.2	89.4	91.7	92.1	92.8	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 1000	65.4	83.9	84.9	87.9	91.1	93.8	94.3	94.9	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3
IV 900	65.4	84.1	85.6	88.7	91.9	94.7	95.1	95.8	96.0	96.2	96.2	96.2	96.2	96.8	96.8	96.8
IV 800	65.4	84.3	86.4	89.6	93.2	96.0	96.8	97.5	97.7	97.9	97.9	97.9	97.9	98.5	98.5	98.5
IV 700	65.4	84.5	86.6	89.8	93.6	96.4	97.5	98.1	98.3	98.5	98.5	98.5	98.5	99.2	99.2	99.2
IV 600	65.4	84.9	87.0	90.2	94.1	96.8	97.9	98.5	98.7	98.9	98.9	98.9	98.9	99.6	99.6	99.6
IV 500	65.4	84.9	87.0	90.2	94.1	96.8	97.9	98.7	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8
IV 400	65.4	85.1	87.3	90.4	94.3	97.0	98.1	98.9	99.2	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 300	65.4	85.1	87.3	90.4	94.3	97.0	98.1	98.9	99.2	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 200	65.4	85.1	87.3	90.4	94.3	97.0	98.1	98.9	99.2	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 100	65.4	85.1	87.3	90.4	94.3	97.0	98.1	98.9	99.2	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 0	65.4	85.1	87.3	90.4	94.3	97.0	98.1	98.9	99.2	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 871

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615

FT WAINWRIGHT AAF AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.0
NO CEILING	29.3	31.9	32.1	32.1	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000	36.9	39.7	39.9	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 18000	38.6	41.6	41.8	42.0	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 16000	39.7	42.8	43.0	43.2	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 14000	41.8	44.9	45.1	45.4	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 12000	44.7	48.1	48.3	48.5	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 10000	48.7	52.1	52.3	52.5	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 9000	51.1	54.6	54.9	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 8000	58.0	62.9	63.1	63.3	64.1	64.1	64.3	64.3	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6
IV 7000	63.3	69.4	70.0	70.3	71.1	71.1	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	63.7	69.8	70.5	70.7	71.5	71.5	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	65.2	71.5	72.2	72.4	73.6	73.6	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1
IV 4500	65.8	72.4	73.0	73.2	74.7	75.1	75.3	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000	67.1	74.1	75.3	75.9	77.4	77.8	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500	68.8	76.4	77.8	78.7	80.8	81.2	81.9	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1
IV 3000	69.6	77.6	79.1	80.0	82.5	83.3	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	70.5	78.9	80.4	81.9	85.0	85.9	87.1	87.3	87.3	87.3	87.8	87.8	88.0	88.2	88.2	88.4
IV 2000	71.1	80.0	82.3	84.2	87.8	88.6	90.1	90.7	90.7	91.1	91.1	91.1	91.4	91.6	91.6	91.8
IV 1800	71.3	80.2	82.5	84.4	88.0	89.0	90.5	91.1	91.1	91.6	91.6	91.6	91.8	92.0	92.0	92.2
IV 1500	71.3	80.4	82.7	85.2	89.7	91.1	92.6	93.7	93.9	94.5	94.5	94.5	94.7	94.9	94.9	95.1
IV 1200	71.3	80.4	82.7	85.2	90.3	92.4	93.9	94.9	95.1	95.8	95.8	96.0	96.2	96.2	96.2	96.4
IV 1000	71.3	80.4	82.7	85.4	90.9	93.0	95.1	96.2	96.4	97.3	97.3	97.9	98.1	98.3	98.3	98.5
IV 900	71.3	80.4	82.7	85.4	91.1	93.2	95.4	96.4	96.6	97.5	98.1	98.3	98.5	98.5	98.5	98.7
IV 800	71.3	80.4	82.7	85.4	91.1	93.2	95.4	96.4	96.6	97.5	98.1	98.3	98.5	98.5	98.5	98.7
IV 700	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 600	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 500	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 400	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 300	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 200	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 100	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2
IV 0	71.3	80.4	82.7	85.4	91.1	93.5	95.6	96.6	97.0	97.9	98.5	98.7	98.9	98.9	98.9	99.2

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-82

NGM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	32.9	33.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 20000	39.7	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	42.2	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000	43.0	44.1	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	45.1	46.2	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	48.7	49.8	49.9	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 10000	54.2	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	56.8	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	65.0	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	70.3	72.6	73.6	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	70.7	73.0	74.1	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	71.1	73.4	74.5	75.1	75.7	75.7	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500	71.9	74.3	75.3	76.2	77.2	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	74.7	77.4	78.5	79.5	81.0	81.0	81.0	81.4	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	76.2	79.3	80.6	81.9	84.0	84.0	84.2	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	77.0	81.0	82.7	84.0	86.9	87.6	88.0	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	77.6	81.6	83.3	85.0	88.8	89.7	90.5	90.9	90.9	91.4	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	78.1	82.3	84.6	86.7	90.7	91.8	92.6	93.0	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	78.1	82.3	84.6	86.7	90.7	91.8	92.8	93.2	93.2	93.9	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	78.1	82.3	84.6	86.7	90.7	92.2	93.2	93.7	93.7	94.5	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	78.1	82.3	84.6	86.7	90.7	92.4	93.7	94.5	94.5	95.6	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.2	97.5	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.7	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	98.7	99.2	99.2	99.2	99.2	99.4
≥ 600	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	98.7	99.2	99.2	99.2	99.2	99.4
≥ 500	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	99.4	99.8	99.8	99.8	99.8	100.0
≥ 400	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	99.4	99.8	99.8	99.8	99.8	100.0
≥ 300	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	99.4	99.8	99.8	99.8	99.8	100.0
≥ 200	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	99.4	99.8	99.8	99.8	99.8	100.0
≥ 100	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	99.4	99.8	99.8	99.8	99.8	100.0
≥ 0	78.1	82.5	85.0	87.3	91.4	93.0	94.5	96.2	96.4	97.9	99.4	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 878

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2615 FT WAINWRIGHT AAF AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.03	≥0.01
NO CEILING	34.0	35.9	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.9
≥20000	38.4	40.3	40.5	40.7	40.7	40.7	40.7	40.7	40.7	41.1	41.1	41.1	41.1	41.1	41.1	41.4
≥18000	41.1	43.0	43.5	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.3
≥16000	41.8	43.7	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.9
≥14000	43.7	45.6	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	47.0
≥12000	47.7	48.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.4
≥10000	53.8	55.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.4
≥9000	54.9	57.0	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.6
≥8000	59.1	61.6	62.2	62.7	62.7	62.7	62.7	62.7	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.3
≥7000	65.4	69.0	69.8	70.5	70.5	70.5	70.5	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	71.1
≥6000	66.5	70.3	71.1	71.7	71.7	71.7	71.7	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.4
≥5000	68.4	72.6	73.4	74.1	74.3	74.3	74.5	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	75.1
≥4500	69.4	73.6	74.5	75.1	75.7	75.7	76.4	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	77.0
≥4000	73.4	77.6	78.5	79.1	79.7	79.7	80.4	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	81.0
≥3500	74.1	78.3	79.1	79.7	80.4	80.4	81.0	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.6
≥3000	75.5	80.6	81.6	82.3	83.8	84.0	84.6	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.2
≥2500	75.5	81.2	82.5	83.1	84.6	85.7	86.3	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.3
≥2000	76.2	82.9	84.6	85.2	86.7	88.2	89.0	89.5	89.5	90.3	90.3	90.3	90.3	90.3	90.3	90.5
≥1800	76.2	82.9	84.6	85.2	86.7	88.2	89.2	89.7	89.9	90.7	90.7	90.7	90.7	90.7	90.7	90.9
≥1500	76.2	83.5	85.2	85.9	87.8	89.5	91.1	91.6	92.0	92.8	92.8	92.8	92.8	92.8	92.8	93.0
≥1200	76.2	83.5	85.4	86.1	88.2	89.9	92.0	92.6	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.3
≥1000	76.4	83.8	85.7	86.3	89.4	90.5	93.5	94.3	95.1	96.6	97.0	97.0	97.3	97.3	97.3	97.5
≥900	76.4	83.8	85.7	86.3	89.4	90.5	93.5	94.7	95.6	97.3	97.7	97.7	97.9	97.9	97.9	98.1
≥800	76.4	83.8	85.7	86.3	89.4	90.5	93.5	94.7	95.6	97.3	97.7	97.7	97.9	97.9	97.9	98.1
≥700	76.4	83.8	85.7	86.3	89.4	90.5	93.5	94.7	95.6	97.3	97.9	97.9	98.1	98.1	98.1	98.3
≥600	76.6	84.0	85.9	86.5	88.6	90.7	93.7	94.9	95.8	97.5	98.3	98.3	98.5	98.5	98.5	98.7
≥500	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0
≥400	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0
≥300	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0
≥200	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0
≥100	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0
≥50	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0
≥20	76.6	84.0	86.1	86.7	88.8	90.9	93.9	95.8	96.6	98.3	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 478

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	32.9	36.7	37.1	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.7	37.7
≥20000	35.6	39.4	39.8	40.0	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.5	40.5
18000	38.6	43.0	43.4	43.6	43.6	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.1	44.1
16000	38.8	43.2	43.6	43.9	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.3	44.3
14000	39.6	44.1	44.5	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1
12000	41.5	46.0	46.4	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.0	47.0
10000	47.0	51.5	51.9	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5
9000	46.5	53.0	53.4	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0
8000	55.7	60.2	60.6	60.8	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2
7000	60.6	66.1	66.7	66.9	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.4
6000	61.4	67.6	68.2	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	68.9
5000	61.9	68.0	68.6	68.9	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9
4500	62.7	68.9	69.7	69.9	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2
4000	68.0	74.8	75.8	76.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.8	77.8
3500	69.1	76.7	78.7	78.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9
3000	70.6	80.1	81.4	82.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.7	84.7
2500	71.2	81.1	82.4	83.3	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1
2000	71.8	83.1	84.7	86.0	90.0	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9
1800	71.8	83.1	84.7	86.0	90.0	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9
1500	72.7	83.7	85.8	87.1	92.4	93.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	95.3	95.3
1200	72.0	83.9	86.2	87.5	93.0	94.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	96.0	96.0
1000	72.0	84.1	86.4	87.7	93.9	95.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.9	97.9
900	72.0	84.1	86.4	87.7	93.9	95.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.9	97.9
800	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
700	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
600	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
500	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
400	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
300	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
200	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
100	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3
0	72.0	84.1	86.4	87.7	94.1	95.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 872

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7:2615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

78-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	32.1	34.4	34.4	34.4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.9	35.9	35.9	35.9	35.9
≥ 20000	34.4	36.6	36.6	36.6	37.4	37.4	37.4	37.4	37.4	37.4	37.4	38.2	38.2	38.2	38.2	38.2
≥ 18000	35.1	38.2	38.2	38.2	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.7	39.7	39.7	39.7	39.7
≥ 16000	35.1	38.2	38.2	38.2	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.7	39.7	39.7	39.7	39.7
≥ 14000	38.2	41.2	41.2	41.2	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7	42.7
≥ 12000	40.5	43.5	43.5	43.5	44.3	44.3	44.3	44.3	44.3	44.3	44.3	45.0	45.0	45.0	45.0	45.0
≥ 10000	45.0	48.1	48.1	48.1	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.6	49.6	49.6	49.6	49.6
≥ 9000	48.1	51.1	51.1	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.7	52.7	52.7	52.7	52.7
≥ 8000	53.4	56.5	56.5	56.5	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0
≥ 7000	61.1	65.6	65.6	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	67.2	67.2	67.2	67.2	67.2
≥ 6000	61.1	66.4	66.4	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.9	67.9	67.9	67.9	67.9
≥ 5000	61.8	67.2	67.2	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.7	68.7	68.7	68.7	68.7
≥ 4500	64.1	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	71.0	71.0	71.0	71.0	71.0
≥ 4000	66.4	72.5	72.5	73.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.6	75.6	75.6	75.6	75.6
≥ 3500	69.5	75.6	76.3	77.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.4	79.4	79.4	79.4	79.4
≥ 3000	69.5	77.9	78.6	79.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.4	82.4	82.4	82.4	82.4
≥ 2500	70.2	79.4	80.9	81.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7
≥ 2000	72.5	82.4	85.5	86.3	89.3	89.3	90.1	90.1	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8
≥ 1800	72.5	82.4	85.5	86.3	89.3	89.3	90.1	90.1	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8
≥ 1500	72.5	82.4	85.5	86.3	89.3	89.3	90.1	90.1	90.1	90.1	90.1	90.8	91.6	91.6	91.6	91.6
≥ 1200	72.5	82.4	85.5	86.3	90.1	90.1	90.8	90.8	90.8	90.8	90.8	91.6	92.4	92.4	92.4	92.4
≥ 1000	73.3	83.2	86.3	87.0	90.8	91.6	93.9	93.9	93.9	93.9	94.7	95.4	95.4	95.4	95.4	95.4
≥ 900	73.3	84.0	87.0	87.8	91.6	92.4	94.7	94.7	94.7	94.7	94.7	95.4	96.2	96.2	96.2	96.2
≥ 800	73.3	84.0	87.0	87.8	91.6	92.4	94.7	94.7	94.7	94.7	94.7	95.4	96.2	96.2	96.2	96.2
≥ 700	73.3	84.0	87.0	87.8	91.6	92.4	94.7	94.7	94.7	94.7	94.7	95.4	96.2	96.2	96.2	96.2
≥ 600	73.3	84.0	87.0	87.8	92.4	93.1	95.4	96.2	96.2	96.2	96.2	96.9	97.7	97.7	97.7	97.7
≥ 500	73.3	84.0	87.0	87.8	92.4	93.1	95.4	96.2	96.2	96.2	96.2	96.9	97.7	97.7	97.7	97.7
≥ 400	73.3	84.0	87.0	87.8	92.4	93.1	96.2	96.9	96.9	96.9	96.9	97.7	99.2	100.0	100.0	100.0
≥ 300	73.3	84.0	87.0	87.8	92.4	93.1	96.2	96.9	96.9	96.9	96.9	97.7	99.2	100.0	100.0	100.0
≥ 200	73.3	84.0	87.0	87.8	92.4	93.1	96.2	96.9	96.9	96.9	96.9	97.7	99.2	100.0	100.0	100.0
≥ 100	73.3	84.0	87.0	87.8	92.4	93.1	96.2	96.9	96.9	96.9	96.9	97.7	99.2	100.0	100.0	100.0
≥ 0	73.3	84.0	87.0	87.8	92.4	93.1	96.2	96.9	96.9	96.9	96.9	97.7	99.2	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 131

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

752615 FT WAINWRIGHT AAF AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING	32.8	35.6	35.9	36.1	36.3	36.4	36.5	36.5	36.5	36.6	36.6	36.6	36.7	36.7	36.7	36.8
IV 20000	37.6	40.6	40.9	41.0	41.3	41.4	41.5	41.5	41.5	41.6	41.6	41.7	41.7	41.7	41.8	41.8
IV 18000	39.7	43.0	43.3	43.6	43.9	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.3	44.4	44.4	44.4
IV 16000	40.2	43.6	43.9	44.1	44.5	44.5	44.6	44.6	44.6	44.7	44.7	44.8	44.8	44.9	44.9	44.9
IV 14000	41.7	45.1	45.5	45.7	46.1	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.5	46.5	46.6	46.6
IV 12000	44.3	47.9	48.2	48.5	48.8	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.3	49.3	49.3
IV 10000	49.1	52.8	53.1	53.4	53.8	53.9	53.9	53.9	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2
IV 9000	50.9	54.7	55.0	55.3	55.7	55.8	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.2
IV 8000	56.9	61.4	61.8	62.2	62.5	62.6	62.7	62.7	62.7	62.8	62.8	62.9	62.9	63.0	63.0	63.1
IV 7000	62.1	67.9	68.6	69.0	69.5	69.6	69.7	69.7	69.7	69.8	69.8	69.9	69.9	70.0	70.0	70.1
IV 6000	62.7	68.7	69.4	69.8	70.3	70.4	70.5	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.9	70.9
IV 5000	63.7	70.1	70.7	71.2	71.9	72.1	72.2	72.3	72.3	72.4	72.4	72.5	72.5	72.6	72.6	72.7
IV 4500	64.4	71.2	71.9	72.5	73.4	73.7	73.9	73.9	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.3
IV 4000	67.6	74.8	75.6	76.4	77.6	77.8	78.0	78.1	78.1	78.3	78.3	78.4	78.5	78.5	78.5	78.5
IV 3500	69.3	77.0	78.1	79.0	80.4	80.6	80.9	81.0	81.0	81.2	81.2	81.3	81.3	81.4	81.4	81.5
IV 3000	70.6	79.3	80.5	81.6	83.7	84.1	84.5	84.6	84.6	84.8	84.9	85.0	85.1	85.1	85.1	85.1
IV 2500	71.2	80.6	81.9	83.2	85.8	86.5	87.1	87.2	87.2	87.5	87.6	87.7	87.8	87.8	87.8	87.9
IV 2000	71.9	82.1	83.9	85.5	88.4	89.4	90.2	90.6	90.6	90.9	91.0	91.1	91.2	91.3	91.3	91.3
IV 1800	72.0	82.2	84.1	85.6	88.6	89.6	90.5	90.8	90.9	91.2	91.3	91.4	91.5	91.6	91.6	91.6
IV 1500	72.1	82.7	84.6	86.3	90.0	91.5	92.5	93.0	93.2	93.6	93.9	94.0	94.0	94.1	94.1	94.2
IV 1200	72.2	83.0	85.0	86.8	90.6	92.4	93.6	94.2	94.3	94.8	95.1	95.2	95.2	95.3	95.3	95.4
IV 1000	72.3	83.2	85.3	87.3	91.3	93.3	94.9	95.7	96.0	96.7	97.2	97.3	97.5	97.5	97.5	97.6
IV 900	72.3	83.3	85.4	87.3	91.4	93.3	95.0	95.8	96.1	96.9	97.4	97.5	97.6	97.7	97.7	97.8
IV 800	72.3	83.3	85.6	87.5	91.7	93.7	95.4	96.3	96.6	97.5	98.0	98.1	98.3	98.4	98.4	98.4
IV 700	72.3	83.4	85.7	87.6	91.9	93.9	95.6	96.6	96.9	97.8	98.4	98.6	98.7	98.8	98.8	98.9
IV 600	72.3	83.5	85.8	87.8	92.1	94.1	95.8	96.8	97.1	98.0	98.7	98.8	99.0	99.1	99.1	99.2
IV 500	72.3	83.5	85.9	87.8	92.1	94.1	95.9	97.0	97.3	98.3	99.2	99.4	99.6	99.7	99.7	99.8
IV 400	72.3	83.6	85.9	87.8	92.1	94.1	95.9	97.0	97.3	98.4	99.4	99.5	99.7	99.8	99.8	99.9
IV 300	72.3	83.6	85.9	87.8	92.1	94.1	95.9	97.0	97.3	98.4	99.4	99.6	99.8	99.9	99.9	100.0
IV 200	72.3	83.6	85.9	87.8	92.1	94.1	95.9	97.0	97.3	98.4	99.4	99.6	99.8	99.9	99.9	100.0
IV 100	72.3	83.6	85.9	87.8	92.1	94.1	95.9	97.0	97.3	98.4	99.4	99.6	99.8	99.9	99.9	100.0
IV 0	72.3	83.6	85.9	87.8	92.1	94.1	95.9	97.0	97.3	98.4	99.4	99.6	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2629

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77.79-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	20.0	31.3	33.9	34.8	37.4	39.1	40.0	41.7	41.7	44.3	45.2	45.2	45.2	45.2	46.1	46.1
≥ 20000	21.7	33.0	35.7	36.5	39.1	40.9	41.7	43.5	43.5	46.1	47.0	47.0	47.0	47.0	47.8	47.8
18000	21.7	33.0	35.7	36.5	39.1	40.9	41.7	43.5	43.5	46.1	47.0	47.0	47.0	47.0	47.8	47.8
16000	21.7	33.0	35.7	36.5	39.1	40.9	41.7	43.5	43.5	46.1	47.0	47.0	47.0	47.0	47.8	47.8
14000	22.6	34.8	37.4	38.3	40.9	42.6	43.5	45.2	45.2	47.8	48.7	48.7	48.7	48.7	49.6	49.6
12000	24.3	36.5	39.1	40.0	42.6	44.3	45.2	47.0	47.0	49.6	50.4	50.4	50.4	50.4	51.3	51.3
10000	26.1	40.0	42.6	43.5	46.1	47.8	48.7	50.4	50.4	53.0	53.9	53.9	53.9	53.9	54.8	54.8
9000	26.1	40.0	42.6	44.3	47.0	48.7	49.6	51.3	51.3	53.9	54.8	54.8	54.8	54.8	55.7	55.7
8000	29.6	43.5	47.0	48.7	51.3	53.0	53.9	55.7	55.7	58.3	59.1	59.1	59.1	59.1	60.0	60.0
7000	34.8	49.6	53.0	54.8	57.4	59.1	60.0	61.7	61.7	64.3	65.2	65.2	65.2	65.2	66.1	66.1
6000	36.5	51.3	54.8	56.5	59.1	60.9	61.7	63.5	63.5	66.1	67.0	67.0	67.0	67.0	67.8	67.8
5000	39.1	54.8	58.3	60.0	62.6	64.3	65.2	67.0	67.0	69.6	70.4	70.4	70.4	70.4	71.3	71.3
4500	39.1	54.8	58.3	60.0	62.6	64.3	65.2	67.0	67.0	69.6	70.4	70.4	70.4	70.4	71.3	71.3
4000	41.7	58.3	62.6	65.2	68.7	70.4	71.3	73.0	73.0	75.7	76.5	76.5	76.5	76.5	77.4	77.4
3500	42.6	61.0	64.3	67.0	71.3	73.9	74.8	76.5	76.5	79.1	80.0	80.0	80.0	80.0	80.9	80.9
3000	43.5	62.6	67.0	69.6	73.9	76.5	77.4	79.1	79.1	81.7	83.5	83.5	83.5	83.5	84.3	84.3
2500	45.2	65.2	69.6	72.2	76.5	79.1	80.0	81.7	81.7	84.3	86.1	86.1	86.1	86.1	87.0	87.0
2000	47.0	68.7	73.9	76.5	80.9	83.5	84.3	86.1	86.1	88.7	90.4	90.4	90.4	90.4	91.3	91.3
1800	47.0	68.7	73.9	76.5	80.9	83.5	84.3	86.1	86.1	88.7	90.4	90.4	90.4	90.4	91.3	91.3
1500	47.0	69.6	74.8	77.4	81.7	84.3	86.1	87.8	87.8	90.4	92.2	92.2	92.2	92.2	93.0	93.0
1200	47.0	71.3	76.5	79.1	83.5	86.1	88.7	90.4	90.4	93.0	94.8	94.8	94.8	94.8	95.7	95.7
1000	47.0	71.3	76.5	79.1	83.5	86.1	88.7	91.3	91.3	93.9	96.5	96.5	96.5	96.5	97.4	97.4
900	47.0	71.3	76.5	79.1	83.5	86.1	88.7	91.3	91.3	93.9	96.5	96.5	96.5	96.5	97.4	97.4
800	47.0	71.3	76.5	79.1	83.5	86.1	88.7	91.3	91.3	93.9	96.5	96.5	96.5	96.5	97.4	97.4
700	47.0	71.3	76.5	79.1	83.5	86.1	88.7	91.3	91.3	93.9	96.5	96.5	96.5	96.5	97.4	97.4
600	47.0	71.3	76.5	79.1	83.5	86.1	88.7	91.3	91.3	93.9	96.5	96.5	96.5	96.5	97.4	97.4
500	47.0	71.3	77.4	80.0	84.3	87.0	89.6	92.2	92.2	94.8	97.4	97.4	97.4	97.4	98.3	98.3
400	47.0	71.3	77.4	80.0	84.3	87.0	89.6	92.2	92.2	95.7	98.3	98.3	98.3	98.3	99.1	99.1
300	47.0	71.3	77.4	80.0	84.3	87.0	89.6	92.2	92.2	95.7	98.3	98.3	98.3	98.3	99.1	99.1
200	47.0	71.3	77.4	80.0	84.3	87.0	89.6	92.2	92.2	95.7	98.3	98.3	98.3	98.3	99.1	99.1
100	47.0	71.3	77.4	80.0	84.3	87.0	89.6	92.2	92.2	95.7	98.3	98.3	98.3	98.3	99.1	99.1
0	47.0	71.3	77.4	80.0	84.3	87.0	89.6	92.2	92.2	95.7	98.3	98.3	98.3	98.3	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 115

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.6	36.3	38.2	40.2	44.8	45.4	47.6	48.2	48.4	50.4	51.4	51.4	52.0	52.0	52.8	53.0
≥ 20000	23.4	37.0	39.2	41.2	45.8	46.4	48.6	49.2	49.4	51.4	52.4	52.4	53.0	53.2	54.0	54.2
≥ 18000	24.8	38.8	41.0	43.0	47.8	48.4	50.6	51.2	51.4	53.4	54.4	54.4	55.0	55.2	56.0	56.2
≥ 16000	24.8	39.2	41.4	43.4	48.2	48.8	51.0	51.6	51.8	53.8	54.8	54.8	55.4	55.6	56.4	56.6
≥ 14000	25.0	40.0	42.2	44.2	49.0	49.6	51.8	52.4	52.6	54.6	55.6	55.6	56.2	56.4	57.2	57.4
≥ 12000	26.8	41.8	44.0	46.0	50.8	51.4	53.6	54.2	54.4	56.4	57.4	57.4	58.0	58.2	59.0	59.2
≥ 10000	29.6	45.4	47.6	49.6	54.4	55.0	57.2	57.8	58.0	60.0	61.0	61.0	61.6	61.8	62.6	62.8
≥ 9000	30.2	46.2	48.4	50.4	55.6	56.2	58.4	59.0	59.2	61.2	62.2	62.2	62.8	63.0	63.8	64.0
≥ 8000	34.6	51.8	54.0	56.0	61.2	62.0	64.2	64.8	65.0	67.0	68.0	68.0	68.6	68.8	69.6	69.8
≥ 7000	36.8	54.8	57.0	59.0	64.2	65.0	67.2	67.8	68.0	70.0	71.0	71.0	71.6	71.8	72.6	72.8
≥ 6000	36.8	54.8	57.0	59.0	64.2	65.0	67.2	67.8	68.0	70.0	71.0	71.0	71.6	71.8	72.6	72.8
≥ 5000	38.4	57.0	59.2	61.2	66.4	67.4	69.6	70.2	70.4	72.4	73.4	73.4	74.0	74.2	75.0	75.2
≥ 4500	38.4	57.0	59.2	61.2	66.4	67.4	69.6	70.2	70.4	72.4	73.4	73.4	74.0	74.2	75.0	75.2
≥ 4000	40.2	59.6	62.2	64.6	70.0	71.0	73.2	73.8	74.0	76.0	77.0	77.0	77.6	77.8	78.6	78.8
≥ 3500	41.4	61.2	64.2	66.8	72.4	73.6	75.8	76.4	76.6	78.6	79.6	79.6	80.2	80.4	81.2	81.4
≥ 3000	43.8	64.4	68.0	70.6	76.8	78.0	80.2	80.8	81.0	83.0	84.0	84.0	84.6	84.8	85.6	85.8
≥ 2500	44.8	66.6	70.8	73.8	80.2	81.6	83.8	84.4	84.6	86.6	87.6	87.6	88.2	88.4	89.2	89.4
≥ 2000	45.6	68.6	73.0	76.0	82.4	84.2	86.4	87.2	87.4	89.4	90.4	90.4	91.0	91.2	92.0	92.2
≥ 1800	45.6	68.6	73.0	76.0	82.4	84.2	86.4	87.2	87.4	89.4	90.4	90.4	91.0	91.2	92.0	92.2
≥ 1500	46.2	69.4	73.8	76.8	83.4	85.2	87.4	88.4	88.6	90.6	91.6	91.6	92.2	92.4	93.2	93.4
≥ 1200	46.6	70.8	75.6	78.6	85.4	87.2	89.4	90.4	90.6	93.0	94.2	94.2	94.8	95.0	95.8	96.0
≥ 1000	46.6	70.8	75.6	78.6	85.6	87.4	89.6	91.0	91.2	93.6	94.8	94.8	95.4	95.6	96.4	96.6
≥ 900	46.6	70.8	75.6	78.6	85.6	87.4	89.6	91.0	91.2	93.6	94.8	94.8	95.4	95.6	96.4	96.6
≥ 800	46.6	71.6	76.4	79.4	86.4	88.2	90.4	91.8	92.0	94.4	95.6	95.6	96.2	96.4	97.2	97.4
≥ 700	46.8	71.6	76.4	79.4	86.4	88.2	90.4	91.8	92.0	94.4	95.6	95.6	96.2	96.4	97.2	97.4
≥ 600	46.8	71.6	76.4	79.4	86.4	88.2	90.4	91.8	92.0	94.4	95.6	95.6	96.2	96.4	97.2	97.4
≥ 500	46.8	71.6	77.0	80.0	87.0	88.8	91.2	92.8	93.0	95.4	96.8	97.0	97.6	97.8	98.6	98.8
≥ 400	46.8	71.6	77.0	80.0	87.0	88.8	91.2	92.8	93.0	95.4	96.8	97.0	97.6	97.8	98.6	98.8
≥ 300	46.8	71.6	77.0	80.0	87.0	88.8	91.2	92.8	93.0	95.4	96.8	97.0	97.6	97.8	98.6	98.8
≥ 200	46.8	71.6	77.0	80.0	87.0	88.8	91.2	92.8	93.0	95.4	96.8	97.0	97.6	97.8	98.6	98.8
≥ 100	46.8	71.6	77.0	80.0	87.0	88.8	91.2	92.8	93.0	95.4	96.8	97.0	97.6	97.8	98.6	98.8
≥ 0	46.8	71.6	77.0	80.0	87.0	88.8	91.2	92.8	93.0	95.4	96.8	97.0	97.6	97.8	98.6	98.8

TOTAL NUMBER OF OBSERVATIONS 500

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

752615 FT WAINWRIGHT AAF AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	23.4	33.1	31.3	32.9	33.9	34.3	35.1	36.1	36.3	36.5	38.7	38.7	40.9	41.5	42.5	43.1
≥ 20000	26.3	33.7	35.1	36.7	37.7	38.1	38.9	39.9	40.1	42.3	42.9	42.9	45.1	45.7	46.9	47.7
IV 18000	28.1	35.9	37.3	38.9	39.9	40.3	41.1	42.1	42.3	44.5	45.1	45.1	47.3	47.9	49.1	49.9
IV 16000	29.3	37.5	38.9	40.5	41.5	41.9	42.7	43.7	43.9	46.5	47.1	47.1	49.3	49.9	51.1	51.9
IV 14000	31.3	39.7	41.1	42.7	43.7	44.1	44.9	45.9	46.1	48.7	49.3	49.3	51.5	52.1	53.3	54.1
IV 12000	33.9	42.3	43.7	45.3	46.3	46.7	47.5	48.5	48.7	51.3	51.9	51.9	54.1	54.7	55.9	56.7
IV 10000	36.7	45.3	46.7	48.3	49.7	50.1	50.9	51.9	52.1	54.9	55.7	55.7	57.9	58.5	59.7	60.5
IV 9000	38.7	47.7	49.1	50.7	52.1	52.5	53.3	54.3	54.5	57.3	58.1	58.1	60.3	60.9	62.1	62.9
IV 8000	48.5	58.5	59.9	61.5	62.9	63.7	64.7	65.7	65.9	68.7	69.5	69.5	71.7	72.3	73.7	74.5
IV 7000	50.7	61.5	63.1	64.7	66.1	66.9	67.9	68.9	69.1	71.9	72.7	72.7	74.9	75.4	76.8	77.6
IV 6000	51.7	62.5	64.1	65.7	67.3	68.1	69.1	70.1	70.3	73.1	73.9	73.9	76.0	76.6	78.0	78.8
IV 5000	52.7	63.7	65.7	67.3	68.9	69.7	70.7	71.7	71.9	74.7	75.4	75.4	77.6	78.2	79.6	80.4
IV 4500	53.1	64.1	66.1	67.7	69.5	70.3	71.3	72.3	72.5	75.2	76.0	76.0	78.2	78.8	80.2	81.0
IV 4000	55.5	67.3	70.5	72.1	74.1	74.9	75.8	76.8	77.0	79.8	80.6	80.6	82.8	83.4	84.8	85.6
IV 3500	55.7	68.1	71.3	72.9	75.6	76.4	77.4	78.4	78.6	81.4	82.2	82.2	84.4	85.0	86.4	87.2
IV 3000	57.5	70.5	73.7	75.8	80.2	81.0	82.2	83.6	83.8	86.6	87.4	87.4	89.6	90.2	91.6	92.4
IV 2500	57.7	70.7	73.9	76.2	80.6	81.4	82.8	84.2	84.4	87.2	88.0	88.0	90.2	90.8	92.2	93.0
IV 2000	58.1	71.5	74.9	77.2	81.8	82.6	84.4	85.8	86.2	89.0	89.8	89.8	92.0	92.6	94.0	94.8
IV 1800	58.1	71.5	74.9	77.4	82.0	82.8	84.6	86.0	86.4	89.2	90.0	90.0	92.2	92.8	94.2	95.0
IV 1500	58.9	72.7	76.0	79.0	84.0	85.2	87.2	88.6	89.0	91.8	92.6	92.6	94.8	95.4	96.8	97.6
IV 1200	58.9	72.7	76.0	79.2	84.2	85.4	87.4	89.0	89.4	92.2	93.0	93.0	95.2	95.8	97.2	98.0
IV 1000	58.9	72.7	76.0	79.2	84.4	85.8	88.2	89.8	90.2	93.0	93.8	93.8	96.0	96.6	98.0	98.8
IV 900	58.9	72.7	76.0	79.2	84.4	85.8	88.2	89.8	90.2	93.0	93.8	93.8	96.0	96.6	98.0	98.8
IV 800	58.9	72.9	76.2	79.4	84.6	86.0	88.6	90.2	90.6	93.4	94.2	94.2	96.4	97.0	98.4	99.2
IV 700	58.9	72.9	76.2	79.4	84.6	86.0	88.6	90.2	90.6	93.4	94.2	94.2	96.4	97.0	98.4	99.2
IV 600	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.4	94.4	96.6	97.2	98.6	99.4
IV 500	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.6	94.6	96.8	97.4	98.8	99.6
IV 400	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.6	94.6	97.0	97.6	99.0	99.8
IV 300	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.6	94.6	97.0	97.6	99.0	100.0
IV 200	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.6	94.6	97.0	97.6	99.0	100.0
IV 100	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.6	94.6	97.0	97.6	99.0	100.0
IV 0	58.9	72.9	76.2	79.4	84.6	86.0	88.8	90.4	90.8	93.6	94.6	94.6	97.0	97.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 501

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT MAINWRIGHT AAF AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.7	31.3	33.3	33.9	36.3	36.5	37.8	39.0	39.2	40.8	41.2	41.8	45.4	45.6	46.2	46.4
≥ 20000	29.7	35.1	37.3	38.4	40.8	41.0	42.6	44.0	44.2	45.8	46.4	47.0	51.2	51.4	52.0	52.2
≥ 18000	31.7	37.1	39.4	40.4	42.8	43.0	44.6	46.0	46.2	47.8	48.4	49.0	53.2	53.4	54.0	54.2
≥ 16000	33.5	39.0	41.2	42.2	44.6	44.8	46.4	47.8	48.0	49.6	50.2	50.8	55.2	55.4	56.0	56.4
≥ 14000	34.9	40.4	42.6	43.6	46.0	46.2	47.8	49.2	49.4	51.0	51.6	52.2	56.6	56.8	57.4	57.8
≥ 12000	37.3	43.0	45.2	46.2	48.6	48.8	50.4	51.8	52.0	53.6	54.2	54.8	59.2	59.4	60.0	60.4
≥ 10000	40.2	46.2	48.4	49.4	52.0	52.2	53.8	55.2	55.4	57.0	57.6	58.2	62.7	62.9	63.5	63.9
≥ 9000	44.0	50.0	52.2	53.2	55.8	56.0	57.6	59.0	59.2	60.8	61.4	62.0	66.5	66.7	67.3	67.7
≥ 8000	51.0	57.6	59.8	60.8	64.1	64.7	66.7	68.3	68.5	70.1	70.7	71.3	75.7	75.9	76.5	76.9
≥ 7000	54.0	61.2	63.7	64.7	67.9	68.5	70.5	72.1	72.3	73.9	74.5	75.1	79.5	79.7	80.3	80.7
≥ 6000	55.2	62.4	64.9	65.9	69.1	69.7	71.7	73.3	73.5	75.1	75.7	76.3	80.7	80.9	81.5	81.9
≥ 5000	57.0	64.7	67.3	68.3	71.5	72.1	74.1	75.7	75.9	77.5	78.1	78.7	83.1	83.3	83.9	84.3
≥ 4500	57.2	64.9	67.5	68.5	71.7	72.3	74.3	75.9	76.1	77.7	78.3	78.9	83.3	83.5	84.1	84.5
≥ 4000	59.0	67.1	69.7	70.7	73.9	74.7	77.1	78.7	78.9	80.5	81.1	81.7	86.1	86.3	86.9	87.3
≥ 3500	59.6	67.7	70.3	71.7	75.3	76.1	78.7	80.3	80.5	82.1	82.7	83.3	87.8	88.0	88.6	89.0
≥ 3000	59.8	68.5	71.5	73.5	78.3	79.3	82.1	83.9	84.1	85.7	86.3	86.9	91.4	91.6	92.2	92.6
≥ 2500	59.8	68.7	71.9	73.9	78.7	79.7	82.5	84.3	84.5	86.1	86.7	87.3	91.8	92.0	92.6	93.0
≥ 2000	59.8	68.9	72.3	74.7	80.1	81.7	84.5	86.7	86.9	88.8	89.4	90.6	95.0	95.2	95.8	96.2
≥ 1800	59.8	68.9	72.5	74.9	80.3	82.1	84.9	87.1	87.3	89.2	90.2	91.0	95.4	95.6	96.2	96.6
≥ 1500	59.8	69.3	72.9	75.3	80.7	82.5	85.7	88.2	88.4	90.4	91.4	92.2	96.6	96.8	97.4	97.8
≥ 1200	60.4	69.9	73.5	75.9	81.3	83.1	86.3	88.8	89.0	91.0	92.0	92.8	97.2	97.4	98.0	98.4
≥ 1000	60.4	69.9	73.5	75.9	81.5	83.5	87.1	89.8	90.0	92.0	93.0	93.8	98.2	98.4	99.0	99.4
≥ 900	60.4	69.9	73.5	75.9	81.5	83.5	87.1	89.8	90.0	92.0	93.0	93.8	98.2	98.4	99.0	99.4
≥ 800	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.0	90.2	92.2	93.2	94.0	98.4	98.6	99.2	99.6
≥ 700	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.0	90.2	92.2	93.2	94.0	98.4	98.6	99.2	99.6
≥ 600	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.0	90.2	92.2	93.2	94.0	98.4	98.6	99.2	99.6
≥ 500	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.2	90.4	92.4	93.4	94.2	98.6	98.8	99.4	99.8
≥ 400	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.2	90.4	92.4	93.4	94.2	98.6	98.8	99.4	99.8
≥ 300	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.2	90.4	92.4	93.4	94.2	98.6	98.8	99.4	99.8
≥ 200	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.2	90.4	92.4	93.4	94.2	98.6	98.8	99.4	99.8
≥ 100	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.2	90.4	92.4	93.4	94.2	98.6	98.8	99.4	99.8
≥ 0	60.4	70.1	73.7	76.1	81.7	83.7	87.3	90.2	90.4	92.4	93.4	94.2	98.6	98.8	99.4	99.8

TOTAL NUMBER OF OBSERVATIONS 898

USAF ETAC FORM 702615 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

752615 FT WAINWRIGHT AAF AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.1	29.4	30.8	32.5	35.1	35.9	36.5	37.3	37.3	38.3	39.1	39.6	43.2	43.8	44.6	45.2
≥ 20000	25.4	32.7	34.1	35.7	38.5	39.4	40.2	41.0	41.0	42.0	43.2	43.6	47.3	47.9	48.7	49.3
≥ 18000	26.6	33.9	35.3	36.9	39.8	40.6	41.4	42.2	42.2	43.2	44.4	45.2	48.9	49.5	50.3	50.9
≥ 16000	27.0	34.3	35.7	37.3	40.2	41.0	41.8	42.6	42.6	43.6	44.8	45.6	49.3	49.9	50.7	51.7
≥ 14000	27.6	35.1	36.5	38.3	41.2	42.0	42.8	43.6	43.6	44.6	45.8	46.7	50.3	50.9	51.7	52.7
≥ 12000	28.8	36.3	37.7	39.6	42.4	43.2	44.0	44.8	44.8	45.8	47.1	47.9	51.5	52.1	52.9	54.0
≥ 10000	33.3	41.4	42.8	44.8	47.9	48.7	49.5	50.3	50.3	51.3	52.5	53.3	57.0	57.6	58.4	59.4
≥ 9000	35.1	43.2	44.6	46.9	49.9	50.7	51.5	52.3	52.3	53.3	54.6	55.4	59.0	59.6	60.4	61.5
≥ 8000	41.6	51.1	52.5	54.8	58.4	59.2	60.0	61.1	61.1	62.1	63.3	64.1	67.7	68.4	69.2	70.2
≥ 7000	45.6	55.6	57.4	59.6	63.5	64.3	65.1	66.1	66.1	67.1	68.4	69.2	72.8	73.4	74.4	75.5
≥ 6000	46.0	56.2	58.0	60.2	64.1	64.9	65.7	66.7	66.7	67.7	69.0	69.8	73.4	74.0	75.1	76.1
≥ 5000	47.5	58.0	60.0	62.3	66.1	66.9	67.7	68.8	68.8	69.8	71.0	71.8	75.5	76.1	77.1	78.1
≥ 4500	48.1	58.6	60.6	62.9	66.7	67.5	68.4	69.4	69.4	70.4	71.6	72.4	76.1	76.7	77.7	78.7
≥ 4000	48.9	60.0	62.3	64.7	69.0	70.0	70.8	71.8	71.8	72.8	74.0	74.8	78.5	79.1	80.1	81.1
≥ 3500	49.1	60.9	63.3	65.9	70.6	71.6	72.6	73.6	73.6	74.6	75.9	76.7	80.3	80.9	81.9	83.0
≥ 3000	50.9	63.3	66.1	69.8	76.1	77.5	79.3	80.5	80.5	81.5	82.8	83.6	87.2	87.8	88.9	89.9
≥ 2500	50.9	63.5	66.5	70.2	77.1	78.7	80.5	81.7	81.7	83.2	84.4	85.2	88.8	89.5	90.5	91.5
≥ 2000	51.3	64.3	67.3	71.0	78.9	81.1	83.4	84.6	84.8	86.2	87.4	88.2	91.9	92.5	93.5	94.5
≥ 1800	51.3	64.3	67.3	71.0	78.9	81.5	83.8	85.0	85.2	86.6	87.8	88.6	92.3	92.9	93.9	94.9
≥ 1500	51.3	64.3	67.3	71.0	79.1	81.7	84.0	85.4	85.6	86.8	88.2	89.5	93.9	94.5	95.5	96.6
≥ 1200	51.7	64.7	67.7	71.4	79.5	82.4	84.8	86.2	86.4	89.0	90.3	91.1	94.7	95.3	96.3	97.4
≥ 1000	51.7	64.7	67.7	71.4	79.7	82.6	85.2	86.6	86.8	89.7	91.1	91.9	95.5	96.1	97.2	98.2
≥ 900	51.7	64.7	67.7	71.4	79.7	82.6	85.2	86.6	86.8	89.7	91.1	91.9	95.5	96.1	97.2	98.2
≥ 800	51.7	64.7	67.7	71.4	79.7	82.6	85.2	86.6	86.8	89.7	91.1	91.9	95.5	96.1	97.2	98.2
≥ 700	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.0	87.2	90.3	91.7	92.5	96.1	96.8	97.8	98.8
≥ 600	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.0	87.2	90.3	91.7	92.5	96.3	97.0	98.0	99.0
≥ 500	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.2	87.4	90.5	92.3	93.1	97.0	97.6	98.6	99.6
≥ 400	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.2	87.4	90.5	92.3	93.1	97.0	97.6	98.6	99.6
≥ 300	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.2	87.4	90.5	92.3	93.1	97.4	98.0	99.0	100.0
≥ 200	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.2	87.4	90.5	92.3	93.1	97.4	98.0	99.0	100.0
≥ 100	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.2	87.4	90.5	92.3	93.1	97.4	98.0	99.0	100.0
≥ 0	51.7	64.7	67.7	71.4	80.1	83.0	85.6	87.2	87.4	90.5	92.3	93.1	97.4	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT MAINWRIGHT AAF AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING	21.4	28.6	31.0	31.0	35.8	36.3	36.8	38.7	38.7	41.3	41.3	41.6	44.5	44.7	45.4	45.4
≥ 20000	23.8	31.7	34.1	34.1	38.9	39.8	39.9	41.8	41.8	44.5	44.5	44.7	47.6	47.8	48.6	48.6
≥ 18000	25.9	33.4	35.8	35.8	40.6	41.1	41.6	43.5	43.5	46.2	46.2	46.6	49.5	49.8	50.5	50.5
≥ 16000	25.7	33.7	36.1	36.1	40.9	41.3	41.8	43.8	43.8	46.4	46.4	46.9	49.8	50.0	50.7	50.7
≥ 14000	26.0	34.6	37.0	37.0	41.8	42.3	42.8	44.7	44.7	47.4	47.4	47.8	51.0	51.2	51.9	51.9
≥ 12000	27.4	36.1	38.5	38.5	43.3	43.8	44.2	46.2	46.2	48.8	48.8	49.3	52.8	52.8	53.8	53.8
≥ 10000	31.0	39.7	42.1	42.1	47.6	48.1	48.8	50.7	50.7	53.4	53.4	54.1	57.2	57.5	58.2	58.2
≥ 9000	31.7	40.4	42.8	42.8	48.3	48.8	49.5	51.4	51.4	54.1	54.1	54.8	57.9	58.2	58.9	58.9
≥ 8000	35.1	46.4	48.8	48.8	54.6	55.3	56.0	57.9	57.9	60.6	60.6	61.3	64.4	64.7	65.4	65.4
≥ 7000	37.3	48.8	51.2	51.2	57.0	57.7	58.4	60.3	60.3	63.0	63.0	63.7	66.8	67.1	68.3	68.3
≥ 6000	37.3	48.8	51.2	51.2	57.0	57.7	58.4	60.3	60.3	63.0	63.0	63.7	66.8	67.1	68.3	68.3
≥ 5000	38.9	50.5	52.9	52.9	58.7	59.4	60.1	62.0	62.0	64.7	64.7	65.4	68.5	68.8	70.0	70.0
≥ 4500	41.6	53.4	56.3	56.3	62.7	63.5	64.2	66.1	66.1	68.8	68.8	69.5	72.6	72.8	74.0	74.0
≥ 4000	43.7	56.5	59.6	59.6	66.1	67.1	67.8	69.7	69.7	72.4	72.4	73.1	76.2	76.4	77.6	77.6
≥ 3500	44.2	60.3	64.4	64.4	72.4	73.3	75.2	77.2	77.2	80.0	80.0	80.8	83.9	84.1	85.3	85.3
≥ 3000	44.7	61.3	65.9	67.1	75.2	77.2	78.1	80.0	80.0	82.9	82.9	83.7	86.8	87.0	88.2	88.2
≥ 2500	45.9	63.2	69.0	70.9	79.1	81.3	82.9	85.1	85.1	88.5	88.5	89.2	92.3	92.5	93.8	93.8
≥ 2000	45.9	63.7	69.5	71.4	79.6	81.7	83.4	85.6	85.6	88.9	88.9	89.7	92.8	93.7	94.2	94.2
≥ 1500	46.2	63.9	69.7	71.9	80.3	82.5	84.1	86.5	86.5	90.9	90.9	91.6	94.7	95.0	96.2	96.2
≥ 1200	46.2	63.9	69.7	71.9	80.3	82.7	84.4	86.8	86.8	91.1	91.1	91.8	95.0	95.2	96.4	96.4
≥ 1000	46.2	64.4	70.2	72.4	80.8	83.4	86.1	88.5	88.5	93.5	93.8	94.5	97.6	97.8	99.0	99.0
≥ 900	46.2	64.4	70.2	72.4	80.8	83.4	86.1	88.5	88.5	93.5	93.8	94.5	97.6	97.8	99.0	99.0
≥ 800	46.2	64.4	70.2	72.4	80.8	83.4	86.1	88.5	88.5	93.5	93.8	94.5	97.6	97.8	99.0	99.0
≥ 700	46.2	64.4	70.2	72.4	80.8	83.4	86.1	88.5	88.5	93.5	93.8	94.5	97.6	97.8	99.0	99.0
≥ 600	46.4	64.7	70.4	72.6	81.0	83.7	86.3	88.7	88.7	93.8	94.0	94.7	97.8	98.1	99.3	99.3
≥ 500	46.4	64.7	70.4	72.6	81.0	83.7	86.3	88.7	88.7	93.8	94.0	94.7	97.8	98.1	99.3	99.3
≥ 400	46.4	64.7	70.4	72.6	81.3	83.9	86.5	88.9	89.2	94.2	94.5	95.2	98.3	98.6	99.8	99.8
≥ 300	46.4	64.7	70.4	72.6	81.3	83.9	86.5	88.9	89.2	94.2	94.5	95.2	98.3	98.6	99.8	99.8
≥ 200	46.4	64.7	70.4	72.6	81.3	83.9	86.5	88.9	89.2	94.2	94.5	95.2	98.3	98.6	99.8	99.8
≥ 100	46.4	64.7	70.4	72.6	81.3	83.9	86.5	88.9	89.2	94.2	94.5	95.2	98.3	98.6	99.8	99.8
≥ 0	46.4	64.7	70.4	72.6	81.3	83.9	86.5	88.9	89.2	94.2	94.5	95.2	98.3	98.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 816

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702615 FT WAINWRIGHT AAF AK

78-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.125	≥.0625	≥.03125
NO CEILING	29.4	38.2	41.2	41.2	46.1	46.1	46.1	47.1	47.1	47.1	48.0	49.0	50.0	50.0	50.0	50.0
≥ 20000	33.3	43.1	46.1	46.1	51.0	51.0	51.0	52.0	52.0	52.0	52.9	53.9	54.9	54.9	54.9	54.9
≥ 18000	34.3	44.1	47.1	47.1	52.0	52.0	52.0	52.9	52.9	52.9	53.9	54.9	55.9	55.9	55.9	55.9
≥ 16000	34.3	44.1	47.1	47.1	52.0	52.0	52.0	52.9	52.9	52.9	53.9	54.9	55.9	55.9	55.9	55.9
≥ 14000	36.3	47.1	50.0	50.0	54.9	54.9	54.9	55.9	55.9	55.9	56.9	57.8	58.8	58.8	58.8	58.8
≥ 12000	37.3	48.0	51.0	51.0	55.9	55.9	55.9	56.9	56.9	56.9	57.8	58.8	59.8	59.8	59.8	59.8
≥ 10000	42.2	52.9	55.9	55.9	60.8	60.8	60.8	61.8	61.8	61.8	62.7	63.7	64.7	64.7	64.7	64.7
≥ 9000	42.2	52.9	55.9	55.9	60.8	60.8	60.8	61.8	61.8	61.8	62.7	63.7	64.7	64.7	64.7	64.7
≥ 8000	45.1	58.8	61.8	61.8	66.7	66.7	66.7	67.6	67.6	67.6	68.6	69.6	70.6	70.6	70.6	70.6
≥ 7000	46.1	59.8	62.7	62.7	67.6	67.6	67.6	68.6	68.6	68.6	69.6	70.6	71.6	71.6	71.6	71.6
≥ 6000	46.1	59.8	62.7	62.7	67.6	67.6	68.6	69.6	69.6	69.6	70.6	71.6	72.5	72.5	72.5	72.5
≥ 5000	46.1	59.8	62.7	62.7	67.6	67.6	68.6	69.6	69.6	69.6	70.6	71.6	72.5	72.5	72.5	72.5
≥ 4500	47.1	60.8	63.7	63.7	68.6	68.6	69.6	70.6	70.6	70.6	71.6	72.5	73.5	73.5	73.5	73.5
≥ 4000	51.0	64.7	68.6	68.6	74.5	74.5	75.5	76.5	76.5	76.5	77.5	78.4	79.4	79.4	79.4	79.4
≥ 3500	52.0	65.7	69.6	69.6	75.5	75.5	76.5	77.5	77.5	77.5	78.4	79.4	80.4	80.4	80.4	80.4
≥ 3000	54.9	70.6	74.5	75.5	81.4	82.4	83.3	84.3	84.3	84.3	85.3	86.3	87.3	87.3	87.3	87.3
≥ 2500	55.9	71.6	77.5	79.4	86.3	87.3	88.2	89.2	89.2	89.2	90.2	91.2	92.2	92.2	92.2	92.2
≥ 2000	55.9	72.5	78.4	83.3	93.2	91.2	92.2	93.1	93.1	93.1	94.1	95.1	96.1	96.1	96.1	96.1
≥ 1800	55.9	72.5	78.4	83.3	90.2	91.2	92.2	93.1	93.1	93.1	94.1	95.1	96.1	96.1	96.1	96.1
≥ 1500	55.9	72.5	79.4	84.3	91.2	92.2	93.1	94.1	94.1	94.1	95.1	96.1	97.1	97.1	97.1	97.1
≥ 1200	55.9	72.5	79.4	84.3	92.2	93.1	94.1	95.1	95.1	95.1	96.1	97.1	98.0	98.0	98.0	98.0
≥ 1000	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 900	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 800	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 700	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 600	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 500	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 400	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 300	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 200	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 100	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0
≥ 50	55.9	72.5	79.4	84.3	92.2	93.1	95.1	96.1	96.1	97.1	98.0	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 102

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT MAINWRIGHT AAF AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	23.4	31.5	33.4	34.5	37.6	38.1	39.2	40.3	40.4	42.2	42.7	43.0	45.4	45.7	46.5	46.8
≥ 20000	25.9	34.4	36.4	37.6	42.8	41.3	42.4	43.6	43.7	45.5	46.2	46.5	49.0	49.4	50.2	50.5
≥ 18000	27.4	36.1	38.1	39.3	42.5	43.0	44.2	45.3	45.4	47.2	48.0	48.3	50.9	51.2	52.0	52.3
≥ 16000	28.1	37.0	39.0	40.2	43.4	43.9	45.0	46.2	46.3	48.2	48.9	49.3	51.8	52.2	53.0	53.4
≥ 14000	29.1	38.3	40.3	41.5	44.7	45.2	46.4	47.5	47.6	49.5	50.2	50.6	53.2	53.6	54.4	54.8
≥ 12000	30.9	40.2	42.2	43.4	46.6	47.1	48.3	49.4	49.5	51.4	52.2	52.5	55.1	55.5	56.3	56.7
≥ 10000	34.2	43.9	45.9	47.2	50.6	51.2	52.3	53.5	53.6	55.5	56.3	56.7	59.3	59.7	60.5	60.9
≥ 9000	35.9	45.7	47.7	49.1	52.6	53.1	54.3	55.4	55.5	57.5	58.2	58.7	61.3	61.6	62.4	62.9
≥ 8000	41.9	53.1	55.1	56.5	60.3	61.0	62.3	63.5	63.7	65.6	66.4	66.8	69.4	69.7	70.6	71.0
≥ 7000	44.7	56.5	58.6	60.0	63.8	64.6	65.9	67.1	67.2	69.1	69.9	70.3	72.9	73.3	74.2	74.7
≥ 6000	45.3	57.1	59.2	60.6	64.5	65.2	66.6	67.8	67.9	69.8	70.6	71.0	73.6	73.9	74.9	75.4
≥ 5000	46.7	58.9	61.2	62.6	66.4	67.2	68.5	69.8	69.9	71.8	72.6	73.0	75.6	75.9	76.9	77.3
≥ 4500	47.0	59.2	61.5	62.9	66.8	67.6	68.9	70.1	70.2	72.2	73.0	73.4	76.0	76.3	77.3	77.7
≥ 4000	49.0	61.7	64.5	66.1	70.3	71.2	72.6	73.8	73.9	75.8	76.6	77.0	79.6	80.0	80.9	81.4
≥ 3500	49.8	63.0	66.0	67.7	72.3	73.3	74.8	76.0	76.1	78.1	78.8	79.2	81.8	82.2	83.1	83.6
≥ 3000	51.3	65.6	69.0	71.3	77.0	78.2	80.0	81.4	81.5	83.5	84.3	84.7	87.3	87.6	88.6	89.0
≥ 2500	51.7	66.5	70.2	72.7	78.7	80.1	81.9	83.2	83.4	85.4	86.2	86.6	89.2	89.6	90.5	91.0
≥ 2000	52.3	67.7	71.8	74.6	80.9	82.6	84.7	86.2	86.4	88.6	89.4	89.9	92.5	92.8	93.8	94.2
≥ 1800	52.3	67.8	71.9	74.7	81.1	82.9	85.0	86.5	86.7	88.9	89.8	90.2	92.8	93.1	94.1	94.6
≥ 1500	52.6	68.3	72.5	75.4	81.9	83.8	86.1	87.7	87.9	90.5	91.4	91.9	94.5	94.8	95.8	96.2
≥ 1200	52.8	68.8	73.1	76.0	82.7	84.6	86.9	88.6	88.8	91.5	92.4	92.9	95.5	95.8	96.8	97.2
≥ 1000	52.8	68.9	73.1	76.1	82.9	85.0	87.7	89.5	89.7	92.6	93.6	94.1	96.6	97.0	97.9	98.4
≥ 900	52.8	68.9	73.1	76.1	82.9	85.0	87.7	89.5	89.7	92.6	93.6	94.1	96.6	97.0	97.9	98.4
≥ 800	52.9	69.1	73.4	76.3	83.1	85.2	87.9	89.8	90.0	92.8	93.9	94.3	96.9	97.3	98.2	98.7
≥ 700	52.9	69.1	73.4	76.4	83.2	85.3	88.0	89.9	90.1	93.0	94.0	94.5	97.1	97.4	98.4	98.8
≥ 600	53.0	69.2	73.4	76.4	83.2	85.3	88.1	90.0	90.2	93.1	94.1	94.6	97.3	97.6	98.6	99.0
≥ 500	53.0	69.2	73.6	76.6	83.4	85.5	88.3	90.2	90.4	93.3	94.5	95.0	97.6	98.0	98.9	99.4
≥ 400	53.0	69.2	73.6	76.6	83.4	85.5	88.3	90.3	90.5	93.5	94.7	95.2	98.0	98.3	99.3	99.7
≥ 300	53.0	69.2	73.6	76.6	83.4	85.5	88.3	90.3	90.5	93.5	94.7	95.3	98.1	98.4	99.4	99.8
≥ 200	53.0	69.2	73.6	76.6	83.4	85.5	88.3	90.3	90.6	93.6	94.8	95.4	98.1	98.5	99.4	100.0
≥ 100	53.0	69.2	73.6	76.6	83.4	85.5	88.3	90.3	90.6	93.6	94.8	95.4	98.1	98.5	99.4	100.0
≥ 50	53.0	69.2	73.6	76.6	83.4	85.5	88.3	90.3	90.6	93.6	94.8	95.4	98.1	98.5	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2625

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-26-15 FT WAINWRIGHT AAF AK

77-83

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	39.4	41.2	41.5	41.8	42.2	42.4	42.5	42.7	42.8	43.1	43.3	43.4	43.9	44.7	44.4	44.6
≥ 20000	45.9	47.9	48.3	48.5	49.0	49.2	49.3	49.5	49.6	49.9	50.1	50.2	50.8	50.9	51.3	51.4
IN 18000	48.6	50.8	51.1	51.4	51.9	52.1	52.2	52.4	52.5	52.8	53.0	53.1	53.7	53.8	54.2	54.4
IN 6000	49.1	51.3	51.6	51.9	52.4	52.6	52.8	53.0	53.0	53.3	53.6	53.6	54.2	54.3	54.7	54.9
≥ 14000	50.2	52.5	52.9	53.1	53.7	53.8	54.0	54.2	54.2	54.6	54.8	54.9	55.5	55.5	56.0	56.1
IN 12000	53.0	55.3	55.7	55.9	56.5	56.6	56.8	57.0	57.0	57.4	57.6	57.7	58.3	58.4	58.8	58.9
≥ 10000	57.6	60.1	60.5	60.8	61.4	61.5	61.7	61.9	61.9	62.3	62.5	62.6	63.2	63.3	63.7	63.9
IN 9000	59.7	62.3	62.7	63.0	63.5	63.7	63.9	64.1	64.1	64.5	64.7	64.8	65.4	65.5	65.9	66.1
≥ 8000	66.1	69.1	69.5	69.8	70.4	70.6	70.8	71.0	71.0	71.4	71.6	71.7	72.3	72.4	72.9	73.0
IN 7000	69.8	73.1	73.6	74.0	74.6	74.8	75.0	75.2	75.3	75.6	75.9	75.9	76.6	76.7	77.1	77.3
≥ 6000	70.8	74.2	74.7	75.1	75.7	75.9	76.1	76.3	76.4	76.7	77.0	77.0	77.7	77.7	78.2	78.3
IN 5000	72.7	76.4	76.9	77.3	78.0	78.2	78.4	78.6	78.7	79.0	79.3	79.3	80.0	80.1	80.5	80.7
≥ 4500	73.6	77.4	78.0	78.4	79.1	79.4	79.6	79.8	79.8	80.2	80.4	80.5	81.1	81.2	81.6	81.8
IN 4000	76.2	80.4	81.1	81.6	82.4	82.7	82.9	83.1	83.2	83.5	83.8	83.8	84.5	84.6	85.0	85.2
≥ 3500	77.6	82.2	83.0	83.5	84.5	84.7	85.0	85.2	85.2	85.6	85.9	85.9	86.5	86.6	87.1	87.2
IN 3000	79.2	84.3	85.2	85.9	87.2	87.5	87.8	88.0	88.1	88.4	88.7	88.8	89.4	89.5	89.9	90.1
≥ 2500	80.2	85.8	86.9	87.8	89.2	89.6	89.9	90.2	90.2	90.6	90.9	91.0	91.6	91.7	92.2	92.3
IN 2000	80.8	86.9	88.2	89.1	90.7	91.3	91.7	92.0	92.1	92.5	92.8	92.9	93.5	93.6	94.1	94.2
≥ 1800	80.9	87.0	88.3	89.2	90.9	91.4	91.9	92.2	92.3	92.7	93.0	93.1	93.7	93.8	94.3	94.4
IN 1500	81.3	87.7	89.1	90.1	91.9	92.6	93.1	93.5	93.6	94.1	94.4	94.5	95.1	95.2	95.7	95.8
≥ 1200	81.7	88.2	89.7	90.7	92.6	93.3	93.9	94.3	94.4	94.9	95.2	95.3	95.9	96.0	96.5	96.6
IN 1000	81.9	88.7	90.2	91.3	93.3	94.1	94.8	95.2	95.3	95.9	96.3	96.4	97.1	97.2	97.6	97.8
≥ 900	82.0	88.8	90.3	91.4	93.4	94.2	94.9	95.4	95.5	96.1	96.5	96.6	97.3	97.4	97.8	98.0
IN 800	82.1	89.0	90.5	91.6	93.7	94.5	95.3	95.8	95.9	96.5	97.0	97.0	97.7	97.8	98.3	98.4
≥ 700	82.1	89.1	90.7	91.8	93.9	94.7	95.5	96.0	96.1	96.8	97.2	97.3	98.0	98.1	98.6	98.7
IN 600	82.1	89.3	90.8	92.0	94.1	94.9	95.7	96.2	96.4	97.1	97.6	97.7	98.4	98.5	98.9	99.1
≥ 500	82.2	89.4	91.0	92.1	94.3	95.1	95.9	96.5	96.6	97.4	97.9	98.0	98.7	98.8	99.3	99.4
IN 400	82.2	89.4	91.0	92.2	94.4	95.3	96.1	96.6	96.8	97.6	98.1	98.2	98.9	99.0	99.5	99.7
≥ 300	82.2	89.4	91.0	92.2	94.5	95.3	96.1	96.7	96.8	97.6	98.2	98.3	99.1	99.2	99.7	99.8
IN 200	82.2	89.4	91.0	92.2	94.5	95.3	96.2	96.7	96.9	97.7	98.2	98.4	99.1	99.3	99.8	100.0
≥ 100	82.2	89.4	91.0	92.2	94.5	95.3	96.2	96.7	96.9	97.7	98.2	98.4	99.1	99.3	99.8	100.0
IN 0	82.2	89.4	91.0	92.2	94.5	95.3	96.2	96.7	96.9	97.7	98.2	98.4	99.1	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 34096

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

2

JAN

4. *Staphylococcus aureus*

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

21

SKY COVER

FEB

434

2

6

SKY COVER

77-B3

MAR

STATION

STATION NAME

PERIOD

MON: 10

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02													
	03-05	19.5			32.2						27.5	20.8	5.5	149
	06-08	12.6			30.2						32.5	24.8	6.3	613
	09-11	13.0			34.6						28.0	24.4	6.0	615
	12-14	9.7			33.6						35.1	21.6	6.3	616
	15-17	11.4			29.8						33.7	25.2	6.4	615
	18-20	12.6			34.4						31.3	21.7	6.0	604
	21-23	17.9			30.6						23.7	27.7	5.8	173
TOTALS	13.8				32.2						30.3	23.7	6.0	3385

2

1

77-83

APR

STATION

STATION NAME

PERIOD

— **W. W. W.**

4

1

2

2

MAY

ALLIANCE?

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02													
	03-05	2.5			27.8						42.4	27.3	7.4	198
	06-08	2.9			32.0						39.8	25.3	7.1	596
	09-11	1.0			34.8						39.0	25.1	7.1	597
	12-14	.8			28.4						49.9	20.8	7.4	595
	15-17				26.4						52.0	21.6	7.6	592
	18-20	1.2			27.7						47.3	23.8	7.5	592
	21-23													
TOTALS		1.4			29.5						45.1	24.0	7.4	3170

2

77-82

JUN

STATION

STATION NAME

— 1000 —

400

●

1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

702615 FT WAINWRIGHT AAF AK

77-82

JUL

STATION

STATION NAME

PERIOD

5429

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02													
	03-05	1.9			25.0						40.6	32.5	7.7	160
	06-08	2.5			20.4						43.8	33.3	7.9	486
	09-11	.4			24.3						46.4	28.8	7.8	489
	12-14				23.8						48.4	27.9	7.9	488
	15-17				19.8						54.1	26.1	8.1	486
	18-20	.8			24.3						46.7	28.2	7.8	486
	21-23											100.0	10.0	1

USAFETAC

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

7026 15

FT WAINWRIGHT AAF AK

77-82

AUG

STATION

STATION NAME

PERIOD

 $\text{Mg}(\text{OH})_2$

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02													
	03-05	1.2			24.1						41.8	32.9	7.8	170
	06-08	2.4			21.6						38.0	38.0	7.9	510
	09-11	1.9			24.8						37.8	35.5	7.7	521
	12-14	.8			24.1						44.8	30.3	7.8	522
	15-17	.2			23.9						45.4	30.5	7.9	518
	18-20	1.7			24.7						46.0	27.6	7.6	515
	21-23													

2

702615 FT WAINWRIGHT AAF AK

77-82

SEP

STATION

STATION NAME

100

M. SMITH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02													
	03-05	4.3			17.4						32.9	45.3	8.0	161
	06-08	1.9			17.1						33.5	47.5	8.3	480
	09-11	1.0			27.2						35.3	43.5	8.1	481
	12-14				18.2						45.5	36.2	8.3	483
	15-17	.6			20.9						41.8	36.6	8.1	483
	18-20	2.3			21.7						38.3	37.7	7.9	483
	21-23										100.0		9.0	1
TOTALS		1.4			16.5						46.8	35.3	8.2	2572

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

702615 FT MAINWRIGHT AAF AK

77-82

OCT

STATION

STATION NAME

PERIOD

MIN*4

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02													
	03-05	8.4			17.4						22.2	52.1	7.7	167
	06-08	1.4			16.5						33.7	48.4	8.4	510
	09-11	.8			12.4						37.1	49.8	8.7	510
	12-14	1.2			13.3						39.2	46.3	8.6	510
	15-17	1.6			12.5						35.7	50.2	8.6	510
	18-20	3.5			18.5						25.0	53.0	8.1	508
	21-23	14.3			33.3						19.0	33.3	6.0	21
TOTALS		4.5			17.7						30.3	47.6	8.0	2736

SKY COVER

7026 15

FT WAINWRIGHT AAF AK

77-82

NDV

STATION

STATION NAME

PERIOD

44. **Answer: D** — The patient has a low-grade fever, tachypnea, tachycardia, and hypotension. The chest exam is normal. The patient is in the early stages of sepsis. The patient has a low-grade fever, tachypnea, tachycardia, and hypotension. The chest exam is normal. The patient is in the early stages of sepsis.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02													
	03-05	19.1			22.1						13.7	45.0	6.4	131
	06-08	10.2			21.5						26.0	42.2	7.2	469
	09-11	4.4			17.1						34.2	44.2	8.0	473
	12-14	4.4			13.3						39.9	42.4	8.2	474
	15-17	4.4			18.9						32.8	43.9	7.9	472
	18-20	10.4			18.9						20.6	50.0	7.4	470
	21-23	7.7			19.2						15.4	57.7	7.7	130
TOTALS		8.7			18.7						26.1	46.5	7.5	2619

2

SKY COVER

DEC

44

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02													
	03-05	20.6			15.7						19.6	44.1	6.6	102
	06-08	16.9			21.1						24.3	37.8	6.6	437
	09-11	10.0			21.3						34.5	34.3	7.2	470
	12-14	7.7			23.7						35.3	33.3	7.2	465
	15-17	7.7			23.7						30.8	37.8	7.3	452
	18-20	10.5			23.9						23.4	42.2	7.0	372
	21-23	11.6			31.6						18.9	37.9	6.4	95

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

702615 FT WAINWRIGHT AAF AK

77-83

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	18.3			27.4						24.5	29.8	6.0	2588
FEB		22.3			21.4						24.0	32.3	6.0	2706
MAR		15.8			32.2						30.3	23.7	6.0	3385
APR		8.4			29.4						32.9	29.3	6.8	3185
MAY		1.4			29.5						45.1	24.0	7.4	3170
JUN		.6			19.8						45.2	34.4	8.1	2696
JUL		.8			19.7						40.0	39.5	8.2	2596
AUG		1.4			23.9						42.3	32.5	7.8	2756
SEP		1.4			16.5						46.8	35.3	8.2	2572
OCT		4.5			17.7						30.3	47.6	8.0	2736
NOV		8.7			18.7						26.1	46.5	7.5	2619
DEC		12.1			23.0						26.7	38.2	6.9	2393
TOTALS		7.8			23.3						34.5	34.4	7.2	33402

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, 1st month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

CLIMATE CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

702615 FT WAINWRIGHT AAF AK

STATION

STATION NAME

45-60, 77-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65							.2						.2
60					.4	.6	.8						.8
55					.7	2.3	5.6	.6	.2				.6
50					1.2	9.6	17.8	6.6					3.0
45				.3	3.2	25.2	35.9	19.1	.3				7.1
40				.6	11.0	48.6	57.0	35.7	3.1				13.2
35				1.9	29.4	69.8	79.8	56.8	12.2				21.1
30				3.9	51.5	87.2	92.4	77.7	28.5				28.9
25				10.7	74.0	96.1	98.0	91.5	48.2	2.3			35.7
20			.3	20.1	87.2	99.5	100.0	98.1	67.7	6.9			40.7
15	.3	.5	3.6	37.9	93.5	99.8		99.9	82.1	15.0	1.0		45.3
10	1.3	2.9	12.3	56.6	96.8	100.0		100.0	92.2	27.6	3.1	.5	50.3
5	2.5	6.3	25.0	71.7	98.3				98.4	45.9	7.6	.8	55.7
0	5.5	11.4	36.5	84.1	99.4				99.8	64.9	11.3	1.9	60.7
-5	8.2	18.9	51.6	92.7	99.9				100.0	80.9	20.7	4.6	65.9
-10	13.1	26.7	65.6	96.4						89.8	34.3	9.3	70.7
-15	20.0	36.1	74.9	98.5	100.0					94.6	46.9	15.3	74.9
-20	30.0	48.7	84.5	100.0						97.3	59.9	24.6	79.6
-25	38.7	59.7	90.4							98.6	70.6	35.1	83.5
-30	51.1	69.5	95.0							99.5	79.9	48.5	87.5
-35	61.8	76.5	97.6							100.0	86.2	60.4	90.6
-40	71.4	87.9	99.3								91.3	68.4	93.1
-45	78.5	88.4	99.7								94.6	76.9	95.1
-50	84.1	93.5	99.9								97.9	81.5	96.5
-55	87.3	96.1	100.0								99.3	85.5	97.5
-60	90.4	98.0									99.8	90.0	98.2
-65	92.5	99.2									100.0	93.8	98.8
-70	94.5	99.8										97.4	99.3
-75	98.1	100.0										98.9	99.8
-80	100.0											99.8	100.0
-85												100.0	100.0
-90													
-95													
-100													
MEAN	-1.7	7.6	23.7	40.6	59.4	69.0	71.3	66.3	53.6	33.2	12.1	-3.4	36.0
S.D.	19.786	17.95	13.55	11.134	9.397	8.174	8.224	8.533	9.250	11.162	15.342	18.241	29.673
TOTAL OBS	636	596	701	675	693	648	658	669	641	666	608	627	7818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
7:2615 FT WAINWRIGHT AAF AK
STATION NAME

DAILY TEMPERATURES

45-60, 77-83

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65						.3	2.5	4.7	1.3				.7
60					1.6	17.3	30.2	7.9	.2				4.6
55				.1	5.8	50.6	77.1	37.2	2.5				14.6
50			.1	.3	21.4	82.6	95.0	71.3	15.0	.2			24.1
45				1.5	49.6	96.1	99.5	89.2	38.1	.8			31.7
40		.3	.3	8.1	75.6	99.7	100.0	97.5	62.2	3.5	.3	.2	37.9
35	.2	.7	.4	12.6	83.1	100.0		99.0	72.1	8.4	1.0		40.4
30	.3	1.3	.9	25.9	91.9			99.7	84.4	19.4	2.0		44.6
25	1.1	1.8	3.3	43.9	96.5			100.0	95.0	37.7	3.5		49.4
20	1.9	3.7	8.7	60.1	98.4				98.3	57.8	6.9	.6	54.0
15	4.4	6.4	16.4	72.4	99.4				99.7	73.7	15.1	2.4	58.5
10	7.9	10.9	26.0	81.3	99.7				100.0	82.7	26.2	5.6	62.7
5	12.1	17.1	37.4	85.2	99.9					89.3	38.2	9.6	66.7
0	18.2	24.7	51.6	91.0	100.0					93.2	51.6	15.0	71.3
-5	26.3	37.1	65.8	94.1						95.8	63.3	24.2	76.3
-10	34.7	48.5	76.5	97.9						98.0	71.7	36.2	81.0
-15	47.0	58.7	84.0	99.3						99.7	80.1	49.8	85.4
-20	59.0	67.1	89.0	100.0						99.8	86.2	61.9	89.0
-25	68.1	73.3	93.3							100.0	91.9	70.2	91.7
-30	75.5	78.4	96.3								96.1	76.9	93.9
-35	79.7	84.2	98.3								98.8	82.6	95.5
-40	86.5	89.3	99.1								99.8	89.5	97.1
-45	90.1	94.3	99.9								100.0	95.7	98.4
-50	94.5	98.5										98.7	99.3
-55	99.1	99.8	100.0									99.8	99.9
-60	99.8	100.0										100.0	100.0
-65	100.0												100.0
MEAN	-17.7	-13.3	-7.7	20.0	38.9	49.4	52.2	47.2	36.8	19.6	-1.5	-17.1	17.8
S.D.	18.85	19.31	15.09	12.78	7.41	5.37	4.38	5.88	7.20	11.32	15.62	16.54	28.60
TOTAL OBS	636	596	701	675	693	648	658	669	641	666	608	627	7818

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIP WEATHER SERVICE/MAC

7:2615 FT WAINWRIGHT AAF AK

STATION

STATION NAME

45-60, 77-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75					.4	.6	.9						.2
70					.6	4.9	8.5	1.0					1.3
65					2.3	20.2	33.0	12.6	.3				5.8
60					5.9	49.5	67.8	34.8	2.8				13.5
55				.7	24.0	79.5	92.4	65.2	9.7				22.9
50				2.7	53.2	95.5	98.9	88.2	32.0	.5			31.4
45			.1	7.6	77.9	99.5	100.0	97.3	58.7	2.0			37.5
40		.5	.4	21.6	90.3	100.0		99.9	77.5	9.6	.5		42.4
35	.5	1.0	1.9	39.9	95.7			100.0	90.5	23.7	2.3	.2	47.1
30	1.4	2.5	8.4	59.0	97.5				98.8	42.3	3.9	.3	52.1
25	3.3	4.9	18.4	74.7	99.3				99.7	62.8	8.7	.8	57.1
20	5.5	9.9	30.5	82.5	99.7				100.0	78.7	17.1	3.0	61.6
15	10.1	18.1	45.4	89.3						86.9	30.1	7.0	66.6
10	14.9	27.0	61.5	94.4	100.0					92.9	42.9	11.5	71.4
5	23.6	36.1	72.9	97.5						96.4	56.4	19.8	76.1
0	31.8	47.3	80.5	99.7						97.9	65.6	27.6	80.0
-5	41.7	59.6	88.2	100.0						99.2	76.0	42.4	84.6
-10	54.6	67.6	93.0							99.7	83.7	56.1	88.4
-15	65.9	74.2	96.3							100.0	88.0	66.0	91.3
-20	73.4	81.5	98.0								93.3	73.0	93.6
-25	78.9	86.2	99.1								97.2	79.3	95.3
-30	85.2	91.9	99.7								99.0	84.1	96.8
-35	89.2	95.6	99.9								100.0	89.2	97.9
-40	91.5	97.8	100.0									95.1	98.7
-45	94.7	99.5										97.4	99.3
-50	98.7	100.0										99.4	99.8
-55	100.0											100.0	100.0
MEAN	-9.8	-2.9	11.7	30.6	49.4	59.4	62.0	57.0	45.5	26.6	5.4	-10.4	27.0
S.D.	19.099	18.200	15.731	11.320	7.836	6.028	5.462	6.163	7.469	10.740	15.359	17.182	29.005
TOTAL OBS	636	596	701	675	693	648	658	669	641	666	608	627	7818

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

702615 FI MAINWRIGHT AAF AK

45-60, 77-83

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			-19	-12	3	39	45	35	24	-9	-34	-31	
46	-32	-29	-33	-16	28	43	43	34	16	8	-30	-56	-56
47	-62	-56	-24	-9	19	33	45	29	19	-2	-17	-24	-62
48	-38	-40	-30	-13	16	42	45	29	19	2	-39	-42	-42
49	-43	-43	-8	-12	17	37	39	38	28	9	-19	-46	-46
50	-32	-50	-10	-18	30	34	45	37	30	-11	-43	-31	-50
51	-56	-42	-41	12	32	38	43	41	26	-2	-15	-42	-56
52	-54	-26	-31	-6	16	37	41	31	21	7	-14	-27	-54
53	-53	-50	-26	3	32	43	43	37	27	-15	-14	-27	-53
54	-43	-45	-23	-1	27	39	42	38	22	12	-4	-52	-52
55	-37	-42	-32	-14	28	36	44	33	24	-3	-27	-44	-44
56	-53	-53	-52	-7	32	40	44	38	14	-14	-38	-46	-53
57	-43	-47	-11	11	27	40	39	42	13	2	-9	-42	-47
58	-29	-22	-6	11	26	38	42	36	24	-13	-31	-45	-45
59	-52	-15	-39	-7	26	35	37	35	29	-3	-21	-32	-52
60	-50	-29	-28	-16	31	35	40	36	20	3			
77	*	-8*	-25*	-3*	30*	46*	49*	37*	29*	-9*	-37*	-54	
78	* -37*	-29*	-14*	-10*	32*	42*	46*	37*	29*	-5*	-18*	-26	* -37
79	* -38*	-54*	-16*	-6*	31*	45*	47*	44*	27*	4*	-5*	-42	* -54
80	* -56*	-12	-27	15*	31	39*	45	34*	22*	-1*	-14*	-51	* -56
81	* -16*	-44	-2*	1*	31	40*	43	31*	23	5*	-13*	-43	* -44
82	* -48	-46	-27	-20*	30	39*	47	35*	27*	-21*	-35*	-33	* -48
83	* -53*	-31	-22	4*	26								
MEAN	-45.1	-39.7	-24.6	-5.0	24.4	38.3	42.3	35.2	22.3	-1.4	-23.7	-39.1	-50.9
S.D.	10.042	11.937	12.605	11.220	8.065	2.845	2.496	3.584	5.196	8.530	11.842	9.760	5.531
TOTAL OBS	636	596	701	675	693	648	658	669	641	666	608	627	7818

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-883 (OLA)

8 (AT LEAST ONE DAY LESS THAN 29 OBS)

PSYCHROMETRIC SUMMARY

702615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

72-63

YEARS

JAN
MONTH

PAGE 1

0300-0500
MORNING (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
4 / 45				.8														1	1													
42 / 41			.8															1	1													
4 / 39																					2											
38 / 37				1.6														2	2													
36 / 35				.8														1	1													
34 / 33			.8															1	1	1	2											
32 / 31																					1											
30 / 29		.8	1.6															3	3	2												
28 / 27		2.3																3	3	1												
26 / 25																				5	1											
24 / 23																					1											
22 / 21	.8	.6	.8															2	3	1	2											
20 / 19		2.3																3	3	1	6											
18 / 17	.8	2.3																4	4	7	1											
16 / 15	.8	1.6																3	3	2	2											
14 / 13	.8	3.9																6	6	3	3											
12 / 11	1.6	3.9																7	7	7	3											
10 / 9		1.6	.8															3	3	6	1											
8 / 7		1.6																2	2	1	8											
6 / 5	1.6																	2	2	5	2											
4 / 3	.8	3.9																6	6	6	3											
2 / 1	1.6	4.7																8	8	4	8											
0 / -1	1.6	.8																3	3	6												
-2 / -3	2.3	.8																4	4	5	8											
-4 / -5	3.1	.8																5	5	4	3											
-6 / -7	7.0																	9	9	10	1											
-8 / -9	3.9																	5	5	5	3											
-10 / -11	3.1																	4	4	4	7											
-12 / -13	.8																	1	1	1	2											
-14 / -15	5.4																	7	7	7	6											
-16 / -17	4.7																	6	6	6	3											
-18 / -19	2.3																	3	3	3	13											
-20 / -21	4.7																	6	6	6	4											
-22 / -23	1.6																	2	2	2	4											
Element (X)	Z _X	Z _X	Z	Z _X	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb																																
Wet Bulb																																
Dew Point																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702515 FT WAINWRIGHT AAF AK
STATION

78-83
STATION NAME

YEARS

JAN
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Element (X)	ΣX^1	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	615232	8792	68.2	11.185	129	≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	86467	-1169	-7.7	22.651	152	56.9	89.3					93
Wet Bulb	39842	-280	-2.2	17.508	129	53.3	90.8					93
Dew Point	54493	-1241	-9.6	18.233	129	62.0	91.6					93

PSYCHROMETRIC SUMMARY

712615 FT WAINWRIGHT AAF AK
STATION STATION NAME

72-63

YEARS

JAN
MONTH

PAGE 1 2620-0900
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

72-87

184

PAGE 7 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (E)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-27/-23	2.0																		9	9	9	14										
-24/-25	1.4																		6	6	6	13										
-24/-27	1.4																		6	6	6	20										
-21/-29	1.8																		2	8	3	15										
-37/-31	2.0																		9	9	9	11										
-27/-33	2.7																		12	12	12	8										
-34/-35	.7																		3	9	3	13										
-31/-37																				15		15										
-34/-39																				8		13										
-40/-41																				2		1										
-42/-43																				12												
-41/-45																				10												
-47/-47																				13												
-41/-49																				2												
-57/-51																				7												
-47/-55																				3												
TOTAL	60.731	1	5.7	3.3	.2															440	515	440										

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2109078	30072	68.3	11.070	440	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	275369	-3987	-7.7	21.797	515	58.7	89.9					93
Wet Bulb	125226	-1128	-2.6	16.693	440	54.5	90.7					93
Dew Point	176733	-4373	-9.9	17.424	440	66.4	91.9					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 1041

USAFETAC

2

7-2615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

78-83

YEARS

JAN
MONTH

PAGE 1

1920-1110
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

72-83

YEARS

JAN
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point											
71/-25	2.7																	12	12	12	21										
71/-27	.7																	3	3	3	21										
71/-29	1.6																	8	8	8	27										
71/-31	.7																	3	3	3	4										
71/-33	2.0																	9	9	9	13										
71/-35	1.3																	6	11	6	7										
71/-37	.2																	1	15	1	12										
71/-39																			7		14										
71/-41																			7		4										
71/-43																			7												
71/-45																															
71/-47																															
71/-49																			10												
71/-51																			6		1										
71/-53																															
71/-55																			3												
TOTAL	59.63	7.7	8.7	2.8															16		445										

TOTAL 59,837.7 6.7 3.9

446

446

वयह

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2071368	29940	67.1116755	446		≤ 50 F	≤ 52 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	268845	-3775	-7.321643	516		56.9	89.2					93
Wet Bulb	126269	-1119	-2.916657	446		54.6	91.3					93
Dew Point	185810	-4586	-10.317652	446		65.7	92.2					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

USAFETAC FORM 10-78

PSYCHROMETRIC SUMMARY

722615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

76-83

YEARS

JAN
MONTH

PAGE -

1200-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
-7/-25	2.2																	10	11	10	16															
-7/-27	1.3																	6	6	6	7															
-7/-29	2.4																	11	11	11	19															
-7/-31	.9																	4	4	4	4															
-7/-33	.4																	5	5	5	13															
-34/-35	.2																	1	4	1	12															
-7/-37																					16															
-7/-39																			7		1															
-7/-41																																				
-7/-43																					1															
-7/-45																																				
-7/-47																			4																	
-7/-49																																				
-7/-51																																				
-7/-53																																				
TOTAL	57.333.2	7.2	2.4																471	16	471	461														

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2207548	31473	68.9	11.357	461	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	234475	-1953	-3.9	20.999	516	53.5	89.6					93
Wet Bulb	129316	8	.16	173	461	50.2	90.8					93
Dew Point	161788	-3418	-7.4	17.223	461	61.5	92.0					93

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT. WAINWRIGHT AAF AK
STATION STATION NAME

70-83

YEARS

JAN
MONTH

PAGE 15 8-1700
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
-27	1.0																	7	7	7	12				
-25	1.1																	5	5	5	14				
-31	1.3																	6	6	6	11				
-33	1.2																	6	6	6	6				
-35	.4																	2	2	2	14				
-37																			3	3	3	14			
-39																						5			
-41																			11			7			
-43																			10						
-45																			5						
-47																			5						
-49																			2						
-51																			2						
-53																			2						
TOTAL	50.332.0	5.1	2.6																462	14		462			

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2225393	31645	68.911629		462	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	237153	-2369	-4.421000		514	51.9	89.7					93
Wet Bulb	12443	-445	-1.016403		462	49.9	90.2					93
Dew Point	176728	-3344	-8.317719		462	63.8	93.3					93

GLOBAL CLIMATOLOGY BRANCH
C/AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

78-83

YF449

1. A

DATE: 10-1-68

[illegible]

SUBAL CLIMATOLOGY BRANCH
CAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

77615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

72-83

YEARS

JAN
MONTH

PAGE 2 1870-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL O.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
-27/-25	3.1																	14	14	14	21				
-27/-27	1.6																	7	7	7	23				
-27/-29	2.0																	9	9	9	11				
-27/-31	.2																	1	1	1	8				
-27/-33	2.2																	10	10	10	10				
-34/-35	.2																	1	4	1	20				
-27/-37																			13		12				
-27/-39																					10				
-27/-41																			10		3				
-27/-43																			11		1				
-14/-45																									
-4/-47																			4						
-27/-49																			5						
-27/-51																			4						
-27/-53																			2						
-4/-55																			2						
TOTAL	64.527.0	6.7	1.8																508		445				
																		445		445					

Element (X)	Σ X'	Σ X	X	n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21218.71	30251	68.912.138		445	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	257742	-3220	-6.321.604		508	57.1	89.5					93
Wet Bulb	126669	-826	-1.916.788		445	52.9	90.7					93
Dew Point	187658	-4176	-9.418.286		445	66.0	93.0					93

2

7 25 15 STATION FT MAINWRIGHT AAF AK STATION NAME 79-83 YEARS JAN MONTH
PAGE 1 2100-2300 HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

44
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-27/-27	1.7																	2	2	2	2				
-27/-29	1.7																	2	2	2	6				
-27/-31	1.7																	2	2	2	1				
-27/-33	3.4																	4	4	4	3				
-27/-35																					3				
-27/-37																					6				
-27/-39																					7				
-27/-41																			1		1				
-27/-43																			5		1				
-27/-45																									
-27/-47																			1						
-27/-51																			4						
-27/-55																			1						
TOTAL	62.424.812.0																		135		117				
																		117		117					

USAFETAC
FORM
NO. 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT WAINWRIGHT AAF AK
STATION STATION NAME

78-83
YEARS

YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
40 / 45				.5														12	12					
44 / 43			.1	.1														4	4					
42 / 41			.1	.1														6	6	4				
40 / 39		.0	.5	.3	.2													22	22	12				
38 / 37		.0	.2	.6														20	20	7				
36 / 35		.0	.4	.4														21	21	16	1			
34 / 33		.1	.5	.2														20	20	22	16			
32 / 31		.4	1.0	.1														37	37	22	15			
30 / 29		.4	1.2															39	39	40	6			
28 / 27		.7	.6	.1														36	36	27	16			
26 / 25	.0	.9	.6															38	38	59	33			
24 / 23		.6	.1	.0														18	18	45	15			
22 / 21	.4	.8	.2	.0														37	37	31	35			
20 / 19	.3	1.3	.2															46	46	35	74			
18 / 17	.5	1.4	.2															53	53	54	34			
16 / 15	.5	2.3																69	69	67	62			
14 / 13	.8	2.3																77	77	57	42			
12 / 11	.7	3.4	.2															105	105	74	73			
10 / 9	.4	3.1	.4															97	97	119	58			
8 / 7	.2	2.8	.0															68	68	91	50			
6 / 5	.4	1.8																55	55	91	43			
4 / 3	1.4	2.2																91	91	92	67			
2 / 1	2.5	3.8																158	158	120	123			
0 / -1	3.3	.9																104	104	126	83			
-2 / -3	1.7	.7																60	60	70	100			
-4 / -5	3.9	.9																119	119	110	96			
-6 / -7	4.3	.1																110	110	126	80			
-8 / -9	5.2																	130	130	133	82			
-10 / -11	5.1																	127	127	127	97			
-12 / -13	2.2																	55	55	55	36			
-14 / -15	3.7																	92	92	92	114			
-16 / -17	3.6																	90	90	90	95			
-18 / -19	4.9																	120	120	120	160			
-20 / -21	3.0																	75	75	75	104			
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70615 FT WAINWRIGHT AAF AK
STATION STATION NAME

78-83
YEARS

FEB
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
47/43			.8															1	1						
42/41																		1	1		1				
47/36			.8															1	1						
37/27				.4														1	1		1				
37/35																					1				
30/33			.8	1.7														3	3						
27/31		1.7		.5														3	3		1				
40/29		.8	3.4															5	5		3				
27/27	.8	.8																2	2		4				
27/25		.8																1	1		6				
24/23		1.7																2	2		2				
22/21		2.5																3	3		3				
20/19	.8	3.4	.8															6	6		4				
17/17		.8																1	1		4				
16/15		1.7																2	2		2				
14/13		3.4																4	4		2				
17/11	.8	1.7																3	3		5				
17/9		2.5																3	3		2				
17/7		3.4																4	4		3				
17/5	.8	2.5																4	4		8				
47/3	2.5	3.4																7	7		6				
17/1	.8	2.5																4	4		3				
7/-1	2.5	.8																4	4		5				
-1/-3	3.4	2.5																7	7		6				
-4/-5	5.1	.8																7	7		8				
-6/-7	4.2																	5	5		6				
-7/-9	3.4																	4	4		4				
-11/-11	2.5																	3	3		3				
-13/-13	1.7																	2	2		2				
-14/-15	2.5																	3	3		3				
-16/-17	1.7																	2	2		2				
-17/-19	6.7																	8	8		8				
-21/-21	1.7																	2	2		2				
-22/-23	1.7																	2	2		2				
Element (X)	Σ X'	Σ X	X	σ _x	Mean No. of Hours with Temperature																				
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

FER
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
-25/-25	1.7																	2	2	2	2														
-26/-27	0.6																	1	1	1	3														
-27/-29	3.4																	4	4	4	7														
-28/-31	2.5																	3	3	3															
-29/-33																					1														
-30/-35																					2														
-31/-37																			2		3														
-32/-39																			2		3														
-33/-41																			1		1														
-34/-43																			4																
-35/-45																			1																
-36/-47																			5																
-37/-49																			1																
-38/-53																			2																
TOTAL	52.137.8	6.7	3.4																119	119	119														

Element (X)	Σ X ²	Σ X	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	592628	8218	69.2	11.313	119	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	75339	-592	-4.2	23.198	137	47.2	80.3					64
Wet Bulb	35731	145	1.2	17.358	119	43.1	82.6					64
Dew Point	44572	-705	-5.9	18.504	119	51.5	81.3					64

USAFETAC FORM 0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 ST WAINWRIGHT AAF AK
STATION STATION NAME

77-53

YEARS

FEB

MONTH

PAGE 1

0600-LP00
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
47 / 47																																				
47 / 45																																				
47 / 43																																				
47 / 41																																				
47 / 39																																				
47 / 37																																				
47 / 35																																				
47 / 33																																				
47 / 31																																				
47 / 29																																				
47 / 27																																				
47 / 25																																				
47 / 23																																				
47 / 21																																				
47 / 19																																				
47 / 17																																				
47 / 15																																				
47 / 13																																				
47 / 11																																				
47 / 9																																				
47 / 7																																				
47 / 5																																				
47 / 3																																				
47 / 1																																				
47 / -1																																				
47 / -3																																				
47 / -5																																				
47 / -7																																				
47 / -9																																				
47 / -11																																				
47 / -13																																				
47 / -15																																				
47 / -17																																				
47 / -19																																				
Element (X)	ΣX^2			ΣX			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature						Total														
Rel. Hum.																10 F	12 F	14 F	16 F	18 F	20 F															
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

YEARS

77-67

FE-
MONTH

PAGE 2

0400-0800
HOURS (L. S. T.)

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS NORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

Page 1 2900-1150
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.		TOTAL Dry Bulb Wet Bulb		Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	> 31				
47/47						.4																											2	2		
47/46					.2																												1	1		
47/45																																	1	2		
47/44						.4																											2	1		
47/43			.2		.6	.3		.5		.2																							15	15		
47/42				.2			.4																										9	9		
47/41						1.1																											7	7		
47/40							1.1																										1	1		
47/39		.6	.4		.2			.2																									7	7		
47/38			.4	1.3		.2																											13	13		
47/37				1.1	.6																												11	11		
47/36					1.3	1.1																											11	11		
47/35		.2	1.1		.2																												7	7		
47/34			.2	1.9	1.1																												15	15		
47/33	1.1	2.2		.6																													15	15		
47/32		.4	1.2	.4																													13	13		
47/31		.9	2.8	.2																													15	15		
47/30			3.0	.4																													16	16		
47/29	1.1	2.6	.9																														22	22		
47/28		.2	3.5	.2																													18	18		
47/27		.7	1.3																														9	9		
47/26		.2	3.1																														15	15		
47/25	1.3	4.5																															27	27		
47/24		.6	5.8</																																	

PSYCHROMETRIC SUMMARY

77-83

YEARS

1 FEB
MONTH

1944-11-10
HOURS 11:30-1:30

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B. Dry Bulb	Wet Bulb	Dew Point	
1/-21	1.2																																5	0	5	13
2/-23	1.5																																2	0	2	12
3/-25	2.4																																11	11	11	13
4/-27	1.2																																5	0	5	11
5/-29	1.9																																0	0	0	0
6/-31	1.2																																1	1	1	2
7/-33	1.5																																0	0	0	0
8/-35	1.4																																2	0	2	14
9/-37																																		0		10
10/-39																																		0		7
11/-41																																		0		1
12/-43																																		0		
13/-45																																		0		
14/-47																																		0		
15/-49																																		1		
16/-51																																		2		
TOTAL	43.0	42.5	3.4	3.9	1.3	.2																											4.3	4.2	463	

Element (X)	Z _X '	Z _X	R	°R	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2284017	31439	67.012	240	463	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	251524	-16	62.022	017	520	39.1	79.2					64
Wet Bulb	145172	1062	3.217	442	463	35.9	80.9					64
Dew Point	159129	-1985	-4.318	256	463	49.7	83.3					64

2

YEARS

77-67

MONTH

12-1400
HOURS L.S.T.

FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

USAFETAC

CENTRAL CLIMATOLOGY BRANCH
WAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15 11.11.1947 AAF AF
STATION STATION NAME

77-63

YEARS

153 MONTH

PAGE 2 1200-1400
MOMENTS (1, 2, 3, 4)

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7-11	1.0																																	13	13	13	6
7-20	0.0																																	10	10	10	10
7-21	1.0																																	6	7	6	9
7-27	0.0																																	2	2	2	10
7-28	1.0																																	5	6	5	10
7-29	1.0																																	5	5	5	2
7-32	0.0																																	4	4	4	10
7-33	0.0																																	1	2	1	4
7-37																																					9
7-23																																					4
W.B.	5	0.4	0.7	1.3	2	3	0	0.6	0.0																									501	501	501	501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

77-19 FT MAINWRIGHT AAF AK
STATION STATION NAME

77-83
YEARS

FEB
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point													
47/47					.2														1	1													
47/45					.2														1	1													
47/43				1.4	.2	.2													7	7													
47/41			.2	.6	1.0														10	10	1												
47/39			.2	.6															4	4	7												
47/37		.2	.6	1.0	.2														10	10	4												
47/35		.2	.6	.6															7	7	7	2											
47/33		.2	.6	.2	.4														8	8	10	1											
47/31	1.	1.2	.4	.2	.2														15	15	15	11											
47/29		1.0	1.0																14	14	10	3											
47/27		2.0	2.4																22	22	8	7											
47/25	.2	2.5	1.6																22	22	28	14											
47/23	.6	2.8	.6																21	21	26	17											
47/21	.6	1.4	.4																12	12	26	17											
47/19		3.2	1.0																21	21	7	25											
47/17		3.6	1.0																15	15	23	21											
47/15	.6	4.0	.6																26	26	16	24											
47/13	.2	2.6	.4																17	17	24	18											
47/11	.4	4.0																	22	22	17	19											
47/9		2.6	.4																15	15	25	9											
47/7	.4	3.6	.2																21	21	18	19											
47/5		1.4																	7	7	18	14											
47/3	2.2	2.1																	21	21	23	24											
47/1	.8	4.2																	25	25	15	23											
47/-1	2.2	.3																	15	17	19	23											
47/-3	2.6	.9																	17	17	19	11											
47/-5	1.3	.8																	9	15	6	12											
47/-7	1.6	.4																	10	19	12	21											
47/-9	1.6																		8	8	13	22											
47/-11	2.4																		12	12	12	12											
47/-13	1.6																		8	8	8	4											
47/-15	1.8																		9	9	9	11											
47/-17	1.4																		7	7	7	16											
47/-19	3.2																		16	16	16	22											
Element (X)	Σ X	Σ X ²	Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total																					
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																						
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

PSYCHROMETRIC SUMMARY

77-83

YEARS

555
MONTH

PAGE 150-170
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-21	1.8																	9	9	9	3														
2/-23	2.2																	11	12	11	12														
3/-25	1.4																	7	7	7	12														
4/-27	.6																	3	3	3	10														
5/-29	.6																	3	4	3	7														
6/-31	.4																	2	2	2	5														
7/-33	.8																	4	4	4	11														
8/-35	.2																	1	3	1	8														
9/-37																			7		6														
10/-39																					6														
11/-41																																			
TOTAL	34.2	44.6	13.3	4.6	2.0	.2													113		495														
																		495		495															

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2248827	32773	66.2	12.645	495	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	234375	4157	8.4	19.798	513	27.7	76.1					64
Wet Bulb	176767	3935	7.9	17.280	495	26.9	78.7					64
Dew Point	164054	46	.1	18.223	495	39.7	83.5					64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT WAINWRIGHT AAF AK

77-83

FEB
MONTH

PAGE 1 1000-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point														
41			.2	.4														3	7															
39			.2															2	2															
37		.4		1.5														5	6	4														
35			.6	1.1														3	8	3	1													
33	.6	.6	.9	.4														10	12	7	2													
31		.4	1.3	1.3														15	15	12	7													
29		.6	.4															5	5	14	3													
27	.2	2.1	.4															13	13	11	2													
25	.6	1.1	1.3															14	14	16	12													
23		1.3	1.3															12	12	11	12													
21	1.1	1.3	.4	.2														14	14	25	18													
19	.2	3.1	.2															19	19	11	11													
17	.6	2.7	.2															17	17	20	7													
15	.2	3.1	.1															17	17	15	15													
13	.4	4.1																22	22	15	23													
11	.6	3.6	.4															12	22	24	17													
9		2.3																13	13	12	16													
7		3.4																16	16	16	14													
5		2.1																10	14	15	11													
3	1.1	3.1																19	19	16	3													
1	1.3	5.6																12	32	24	33													
-1	2.4	.6																14	16	24	20													
-3	3.6	1.3																23	23	24	17													
-5	1.1																	5	5	7	16													
-7	1.3																	6	6	6	11													
-9	1.7																	3	8	8	21													
-11	2.4																	13	13	13	17													
-13	2.3																	13	13	13	3													
-15	2.4																	11	11	11	16													
-17	.4																	2	3	2	14													
-19	2.1																	10	14	10	14													
-21	3.2																	15	15	15	7													
-23	1.7																	6	8	5	14													
-25	1.9																	9	9	9	7													
Element (X)	Σx'	Σx	Σ	Σ ₂	No. Obs.				Mean No. of Hours with Temperature										Total															
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																				
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

7 2615 STATION FI MAINRIGHT AAF AK STATION NAME

77-83

YEARS

FEI
MONTH

PAGE 2 1600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
71/-27	1.0																	5	9	9	13											
72/-29	2.1																	10	10	1	10											
73/-31	0																	4	4	4	3											
72/-33	1.1																	5	5	5	5											
74/-35	1.5																	7	9	7	13											
73/-37																			0		17											
70/-39																			5		10											
68/-41																			8		2											
72/-43																			7													
74/-45																			2													
74/-47																			2													
TOTAL	42.3	44.2	3.4	5.2															46	46	46											

Element (X)	ΣX'	ΣX	X	°X	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	22117.8	31642	67.9	11.664	466	10 F	132 F	67 F	73 F	80 F	93 F	
Dry Bulb	233531	987	2.0	21.688	504	35.0	78.3					84
Wet Bulb	158257	1875	4.0	18.003	466	33.3	81.5					84
Dew Point	172282	-1556	-3.3	18.956	466	45.8	83.5					84

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

POEM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT WAINWRIGHT AAF AK
STATION STATION NAME

77,79-83
YEARS

FEB
MONTH

PAGE 1 2100-2300
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
40 / 45				.8														1	1		
42 / 39				.8														1	1	1	
38 / 37		.8		.8														2	2		
38 / 35		.8	2.4															4	4	1	
30 / 33	1.6		1.6															4	4	4	2
32 / 31			.8															1	1	4	2
27 / 29																				2	1
28 / 27		1.6	.8															3	3	1	
27 / 25		1.6	.8															3	3	4	3
24 / 23			.8															1	1	2	3
22 / 21	1.6	2.4	1.6															7	7	4	5
21 / 19	.8	3.2																5	5	6	3
17 / 17	.8	3.2																1	1	5	2
17 / 15		.8																1	1	2	4
14 / 13	.8	4.0																6	6	3	5
17 / 11		4.8	.8															7	7	6	5
10 / 7	.5	5.6																8	8	7	2
7 / 7		3.2																4	4	7	4
7 / 5		2.4																3	3	3	3
6 / 3		5.6																7	7	8	3
7 / 1	.8	4.8																7	7	4	7
7 / -1	.8	3.2																5	6	6	6
-7 / -3	4.0																	5	5	9	6
-4 / -5	.8	.8																2	2	1	4
-6 / -7	.8	.8																2	2	2	4
-7 / -9	.8																	1	1	2	5
-10 / -11	.8																	1	1	1	6
-17 / -13	.8																	1	1	1	
-14 / -15	2.4																	3	3	3	4
-16 / -17	3.2																	4	4	4	2
-17 / -19	2.4																	3	3	3	3
-19 / -21	2.4																	3	3	3	3
-22 / -23	.8																	1	1	1	3
-24 / -25	2.4																	3	3	3	4
Element (X)	Σ x'	Σ x	x	σ _x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2615 FI MAIN RIGHT AAF AK
STATION STATION NAME

77-19-83

YEARS

FEB
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
-27/-27	4.1																	5	5	3	5														
-27/-29	1.6																	2	2	2	1														
-27/-31	.8																	1	1	1	1														
-27/-33	1.6																	2	2	2	1														
-34/-35	.8																	1	3	1	2														
-27/-37																			3		6														
-27/-39																			2		3														
-41/-41																			3		2														
-41/-43																			2																
-44/-45																			2																
-46/-47																			2																
-50/-51																			1																
TOTAL	35.45	0.4	8.8	2.4															144		125														
																		125		125															

Element (X)	Σ x'	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5890.38	8452	67.6	11.896	125	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	78160	-132	-0.923	361	144	37.3	77.0					64
Wet Bulb	42821	467	3.7	18.216	125	33.6	80.0					64
Dew Point	494.5	-467	-3.7	19.605	125	47.7	82.7					64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70261 FT HAINWRIGHT AAF AK
STATION STATION NAME

77-83
YEARS

FEB
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
47/47				.1																													5	5	
46/46			.2	.1	.1																											9	9		
44/43			.2	.1	.2	.1																										17	17	4	
42/41			.1	.6	.4																											23	28	5	
40/39		.1	.5	.4	.2	.1																										73	33	5	
38/37		.2	.3	.4	.1																											40	40	17	
36/35		.1	.5	.6																												38	39	73	
34/33	.2	.2	.6	.3	.1																											37	37	49	
32/31	.6	.8	.7	.3	.1																											75	65	46	
30/29	.2	1.0	1.1	.6																												54	59	65	
28/27	.1	1.7	.9	.0																												71	71	69	
26/25	.3	1.7	1.0																													79	79	10	
24/23	.3	1.6	.7																													66	66	86	
22/21	.6	2.0	.8	.0																												88	88	98	
20/19	.6	3.3	.5	.0																												115	115	75	
18/17	.3	2.1	.5																													74	74	109	
16/15	.3	2.6	.3																													86	86	75	
14/13	.2	3.4	.2																													99	99	71	
12/11	.7	3.1	.5																													114	114	112	
10/9	.2	3.1	.2																													92	92	118	
8/7	.2	2.9	.2																													86	86	99	
6/5	.1	2.1																														57	57	95	
4/3	1.3	3.1																														114	114	114	
2/1	1.4	4.7																														159	162	119	
0/-1	2.7	.9																														94	111	134	
-2/-3	2.6	1.3																														101	102	104	
-4/-5	1.8	.7																														66	74	61	
-6/-7	1.7	.3																														53	54	63	
-8/-9	2.5																															67	67	75	
-10/-11	2.3																															61	61	61	
-12/-13	1.9																															39	39	79	
-14/-15	2.3																															61	61	61	
-16/-17	1.7																															44	44	44	
-18/-19	3.1																															80	80	80	
Element (X)	Z _X		Z _X		X		°		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

702615	FT MAINWRIGHT AAF AK
STATION	STATION NAME

77-83

YEARS

155
MONTH

PAGE 7

ALL
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-21	2.2																	58	58	58	51														
2/-23	1.2																	48	42	48	63														
3/-25	2.7																	32	53	52	57														
4/-27	1.5																	39	39	39	62														
5/-29	1.9																	49	51	49	52														
6/-31	.8																	22	62	22	24														
7/-33	1.1																	30	30	30	45														
8/-35	.5																	14	28	14	50														
9/-37																			45		67														
10/-39																			24		54														
11/-41																			25		11														
12/-43																			30		2														
13/-45																			19																
14/-47																			30																
15/-49																			5																
16/-51																			13																
17/-53																			4																
18/-55																			1																
TOTAL	41.0	42.9	2.8	4.1	1.1	.2												2609	2056		2609														
																		2609		2609															

PSYCHROMETRIC SUMMARY

77-87

YEARS

MA
MONTH

PAGE 1

0600-0900
HOURS (E. S. T.)

[illegible]

FEDERAL CLIMATOLOGY BRANCH
WASH DC
A WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION STATION NAME

77-55

YEARS

MONTH

11
HOURS 5.7

[illegible]

2

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
1	STATION 1
2	STATION 2
3	STATION 3
4	STATION 4
5	STATION 5
6	STATION 6
7	STATION 7
8	STATION 8
9	STATION 9
10	STATION 10
11	STATION 11
12	STATION 12
13	STATION 13
14	STATION 14
15	STATION 15
16	STATION 16
17	STATION 17
18	STATION 18
19	STATION 19
20	STATION 20
21	STATION 21
22	STATION 22
23	STATION 23
24	STATION 24
25	STATION 25
26	STATION 26
27	STATION 27
28	STATION 28
29	STATION 29
30	STATION 30
31	STATION 31
32	STATION 32
33	STATION 33
34	STATION 34
35	STATION 35
36	STATION 36
37	STATION 37
38	STATION 38
39	STATION 39
40	STATION 40
41	STATION 41
42	STATION 42
43	STATION 43
44	STATION 44
45	STATION 45
46	STATION 46
47	STATION 47
48	STATION 48
49	STATION 49
50	STATION 50
51	STATION 51
52	STATION 52
53	STATION 53
54	STATION 54
55	STATION 55
56	STATION 56
57	STATION 57
58	STATION 58
59	STATION 59
60	STATION 60
61	STATION 61
62	STATION 62
63	STATION 63
64	STATION 64
65	STATION 65
66	STATION 66
67	STATION 67
68	STATION 68
69	STATION 69
70	STATION 70
71	STATION 71
72	STATION 72
73	STATION 73
74	STATION 74
75	STATION 75
76	STATION 76
77	STATION 77
78	STATION 78
79	STATION 79
80	STATION 80
81	STATION 81
82	STATION 82
83	STATION 83
84	STATION 84
85	STATION 85
86	STATION 86
87	STATION 87
88	STATION 88
89	STATION 89
90	STATION 90
91	STATION 91
92	STATION 92
93	STATION 93
94	STATION 94
95	STATION 95
96	STATION 96
97	STATION 97
98	STATION 98
99	STATION 99
100	STATION 100

77-63

YEARS

MONTH

PAGE 2 0900-1100
HOURS 11.5.11

0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-43

YEARS

MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
51																		3	7																
49																		3	7																
47																		4	5																
46				1.2	2.2	1.5	.2											14	12																
45				2.2	1.5	1.5	.2											21	21																
44				3.3	2.5	1.5	.2											17	17	5															
43				4.4	3.7	1.5												18	16	6															
42				5.5	4.8	2.3	.5											29	22	17															
41				6.6	5.9	3.1	1.1											30	20	35	2														
40				7.7	7.0	4.3	1.5											25	25	40	6														
39				8.8	8.1	5.5	2.4											43	44	29	23														
38				9.9	9.2	6.7	3.4											39	39	32	12														
37				11.0	10.3	7.9	4.4											34	34	26	18														
36				12.1	11.4	9.1	5.4											31	31	26	24														
35				13.2	12.5	10.3	6.4											20	20	45	11														
34				14.3	13.6	12.5	7.4											34	34	24	27														
33				15.4	14.7	14.3	8.4											40	40	22	59														
32				16.5	15.8	16.5	9.4											25	25	48	42														
31				17.6	16.9	17.6	10.4											36	36	34	25														
30				18.7	18.0	18.7	11.4											24	24	32	49														
29				19.8	19.1	19.8	12.4											34	34	27	58														
28				20.9	20.2	20.9	13.4											27	27	37	27														
27				22.0	21.3	22.0	14.4											20	20	28	33														
26				23.1	22.4	23.1	15.4											12	12	22	24														
25				24.2	23.5	24.2	16.4											6	6	16	33														
24				25.3	24.6	25.3	17.4											1	1	1	9														
23				26.4	25.7	26.4	18.4														13														
22				27.5	26.8	27.5	19.4														5														
21				28.6	27.9	28.6	20.4														2														
20				29.7	29.0	29.7	21.4														2														
19				30.8	30.1	30.8	22.4														7														
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_s	No. Obs.																														

2

YEARS

77-63

DATE _____
MONTH _____

PAGE 1 1970-1760
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

77-83

543

MONTH

PAGE 150-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
-1/-15																																			
-1/-17																																			
TOTAL	2.03	8.83	6.15	1.0	0.6	2.3	1.1	.5											614	614	614														

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

77-83

YEARS

4 & 3
MONTH

PAGE 1

1800-2000
HOURS (L.S.T.)

0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7:2615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

77-83

YEARS

MA:
MONTH

PAGE 2 1870-2000
HOURS (L. S. T.)

USAFETAC
FORM 64
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
MSAFETAC
AID WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 2515	FI MAINWRIGHT AAF AK
STATION	STATION NAME

77,79-83

YEARS

443
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77,79-83

YEARS

4 A 4
MONTH

PAGE 2

71-10-2300

HOURS 11 - 5 - 7

[illegible]

PSYCHROMETRIC SUMMARY

4A1
MONTH

ALL
HOURS (L. S. T.)

[illegible]

GENERAL CLIMATOLOGY SPANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72415 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-87

YEARS

MONTH

PAGE 1

ALL

HOURS IL. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
17-15	.7																																25	26	25	64
17-17	.4																															12	17	12	49	
17-19	.4																															15	16	15	53	
17-21	.4																															14	14	14	5	
17-23	.1																															5	5	5	12	
17-25	.1																															4	4	4	28	
17-27	.1																															5	2	5	14	
17-29																																			16	
17-31																																			1	
17-33																																			11	
17-35																																			1	
17-37																																			3	
17-39																																			4	
TOTAL	15.0	44.6	23.8	10.0	4.3	1.4	.5	.2																									338	7	338	4

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	13716533	209673	62.0	14.540	3384	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total
Dry Bulb	1779492	60216	17.8	14.470	3387	85.0	626.5					744
Wet Bulb	1341274	51546	15.2	12.821	3384	95.9	682.9					744
Dew Point	773105	21217	6.3	13.755	3384	238.3	738.7					744

2

PSYCHROMETRIC SUMMARY

AD
MONTH

PAGE 1 130-4910
HOURS: 11:51

USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS PUBLICATION ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

77-87 STATION NAME: F. WAINWRIGHT AAF AK YEARS: MONTH: 1977-1978

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL											
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point									
77/51																																	1	1											
76/51																																	1	1											
75/49																																	3	3											
74/47																																	5	5											
73/45																																	10	10											
72/42																																	17	17											
71/41																																	21	21											
70/39																																	32	32											
69/37																																	45	45											
68/35																																	52	52											
67/32																																	34	34											
66/31																																	52	52											
65/29																																	17	17											
64/27																																	27	27											
63/25																																	38	38											
62/24																																	17	17											
61/21																																	17	17											
60/18																																	24	24											
59/17																																	17	17											
58/17																																	17	17											
57/11																																	17	17											
56/7																																	17	17											
55/5																																	4	4											
54/3																																	11	11											
53/1																																	5	5											
52/-1																																	5	5											
51/-3																																	2	2											
50/-5																																	2	2											
49/-7																																	2	2											
48/-9																																	2	2											
47/-11																																	1	1											
46/-13																																	1	1											
Element (X)	Σ X																															Σ X	R	S _x	No. Obs.	Mean No. of Hours with Temperature						Total			
Rel. Hum.																																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb																																													
Wet Bulb																																													
Dew Point																																													

USAFETAC FORM 0-26-5 (OL 41) RE-150 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 10

USAFETAC
FORM
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BUL 44 0 26 5 (OL A)

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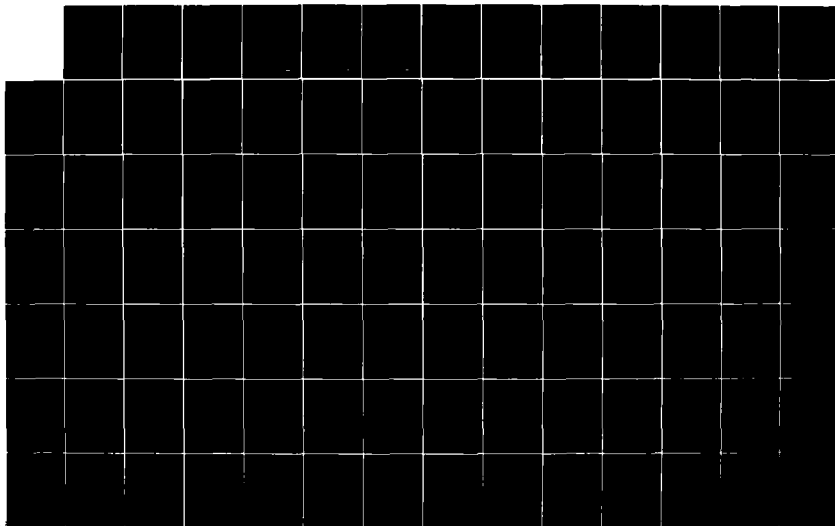
1005 WAINWRIGHT WAINWRIGHT AAF ALASKA LIMITED SURFACE
OBSERVATIONS CLIMAT. (U) AIR FORCE ENVIRONMENTAL
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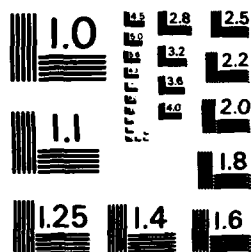
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77-83

APR
MONTH

PAGE 1 C900-1102
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77-83

YEARS

APR
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7C2615 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-83

YEARS

APR
MONTH

PAGE 1 1200-1800
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73											.2							1	1						
72/ 71											.2							1	1						
70/ 69										.2								1	1						
68/ 67									.2									1	1						
66/ 65									.3									2	2						
64/ 63									.2									1	1						
62/ 61								.7										4	4						
60/ 59						.2	.9	.9	.5	.2								15	15						
58/ 57							1.7	1.4	.7									22	22						
56/ 55						1.2	.9	1.4	.3									22	22						
54/ 53				.2	.5	.7	1.7	1.7										28	28	1					
52/ 51					.5	1.7	1.5	.3										28	28	3					
50/ 49				.5	1.2	3.4	1.5											39	39	4					
48/ 47		.2		.3	4.1	2.2	.5											43	43	13					
46/ 45		.2	.2	2.4	1.5	1.2	.3											34	34	31					
44/ 43		.5	.9	3.4	.9	.5												36	36	27	1				
42/ 41		.5	.7	2.9	1.4		.2											33	33	52	4				
40/ 39		.7	1.0	1.4	1.4													26	26	90	4				
38/ 37	.3	.7	.5	2.9	.3													28	28	58	10				
36/ 35		.9	1.7	1.9	.7													30	30	35	19				
34/ 33		1.4	1.2	2.7	1.4													39	39	38	31				
32/ 31		1.2	2.7	3.6	.7													48	48	36	72				
30/ 29	.2	.7	2.9	1.7	.5													35	35	31	52				
28/ 27		.9	2.1	1.9														28	28	39	49				
26/ 25		.9	1.2	.7														16	16	47	65				
24/ 23			.7															4	4	35	22				
22/ 21		.5	.5															6	6	16	44				
20/ 19	.2	.2	.5															5	5	11	46				
18/ 17		.2	.2	.3														4	4	4	39				
16/ 15		.3	.7															6	6	3	32				
14/ 13		.2	.2															2	2	3	24				
12/ 11																				6	17				
10/ 9			.2															1	1	1	15				
8/ 7																					18				
Element (X)	Σg'		Σg		Σ		Σ _h		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 7

1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-83
YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75												•2						1	1		
74/ 73											•3							2	2		
68/ 67								•2	•2									2	2		
66/ 65									•2									1	1		
62/ 61							•2	1.2	•7									12	12		
60/ 59							•5	1.2										10	10		
58/ 57							•7	•5	•5									10	10		
56/ 55						•3	2.1	•7	•5									21	21		
54/ 53					•2	1.4	1.5	1.0										24	24	4	
52/ 51					•7	1.4	2.2											25	25	1	
50/ 49				•9	1.7	4.4	2.7											57	57	4	
48/ 47				•7	3.1	1.4	1.2											37	37	13	
46/ 45			•5	2.2	2.6	1.0	•2											38	38	21	
44/ 43			•7	2.4	1.9	1.4												37	37	29	1
42/ 41		•3	•5	2.4	2.9	•2												37	37	56	
40/ 39		•3	1.4	1.9	1.5													30	30	78	2
38/ 37	•5	•7	1.7	1.7	1.0													33	33	62	9
36/ 35		•5	1.7	2.9	•5													33	33	44	23
34/ 33		•3	2.4	2.4	•7													34	34	51	32
32/ 31		1.0	2.1	4.4	•7													48	48	30	65
30/ 29	•2	•7	2.2	2.1	•2													31	31	44	39
28/ 27		•7	2.2	1.4	•2													26	26	32	60
26/ 25		•5	1.4	•3														13	13	43	53
24/ 23			•9															5	5	33	24
22/ 21			•9	•3														7	7	21	56
20/ 19			•2	•2														2	2	4	59
18/ 17				•5														3	3	2	44
16/ 15			•5															3	3	4	27
14/ 13																				3	18
12/ 11		•3																2	2	3	24
10/ 9		•2																1	1	3	12
8/ 7																					8
6/ 5																					6
4/ 3																					7
Element (X)	Σ H ¹		Σ H		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature					Total			
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

USAFETAC

2

77-83

YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71												.2						1	1					
70/ 69											.2							1	1					
68/ 65									.2	.2								2	2					
64/ 63									.2									1	1					
60/ 59						.2	.2	.2										3	3					
58/ 57							.2											5	5					
56/ 55						.3	.9	.3	.2									10	10					
54/ 53					.2	1.2	.9	.5										16	16					
52/ 51					.7	1.7	.9	.2										20	20	3				
50/ 49					1.2	1.7	1.4											25	25	2				
48/ 47				.3	2.3	2.1	.9											32	32	2				
46/ 45			.2	1.4	3.8	2.3	.2											45	45	13				
44/ 43			1.4	1.9	1.7	.7	.2											34	34	20				
42/ 41			.9	2.6	1.7	.7												34	34	29				
40/ 39		.7	2.8	1.7	1.9													41	41	49				
38/ 37	.3	.7	1.0	3.1	1.0													36	36	73				
36/ 35		.9	1.7	2.1	.7													31	31	58				
34/ 33		.7	2.3	2.8														33	33	34				
32/ 31		1.2	3.1	3.1	.3													45	45	43				
30/ 29		1.2	4.5	1.2	.2													41	41	35				
28/ 27		1.4	2.3	2.3														34	34	47				
26/ 25		.2	1.9	1.4														20	20	48				
24/ 23		.3	1.2	.3														11	11	30				
22/ 21			1.9	.2														12	12	27				
20/ 19		1.6	1.9	.2														21	21	15				
18/ 17		.7	.2	.2														6	6	19				
16/ 15		.2	.2															2	2	12				
14/ 13			.2															1	1	2				
12/ 11		.2	.5															4	4	1				
10/ 9		.5	.3															5	5	5				
8/ 7		.2	.2															2	2	3				
6/ 5																				4				
4/ 3																								
2/ 1																								
Element (X)	ΣX'		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ					
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

APR
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-79-83

YEARS

APR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-63

YEARS

APR
MONTH

PAGE 2

ALL

ALL
HOURS 11-5 T.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7		.6	.1															20	20	20	92				
8		.1																5	5	18	56				
9		.1	.4															17	17	14	57				
10		.1	.3															11	12	12	66				
11		.1	.1															6	6	9	31				
12		.1																3	3	3	26				
13		.1																6	6	4	27				
14		.1	.0															3	3	5	17				
15		.1																3	3	4	11				
16		.1																1	1	1	6				
17		.1																1	1	1	4				
18		.1																3	3	3	8				
19		.1																2	2	2	5				
20		.1																2	2	2	13				
21																					6				
22																					1				
23																					2				
24																					4				
25																					2				
26																					1				
27																					1				
TOTAL	2,019	426	321	313	2	8	5	5	8	2	5	1	0	.1	.2	.0		3185	3187	3185					
																		3185		3185					

Element (X)	ΣX'	ΣX	X	°s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	10853409	178829	56.115	976	3185	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4552506	113336	35.612	801	3187	6.8	289.0	2.7	.9			720
Wet Bulb	3240564	96184	30.210	271	3185	7.7	383.0					720
Dew Point	1712119	64903	20.411	061	3185	36.6	556.3					720

PSYCHROMETRIC SUMMARY

77-63

YEARS

14
MAY 1964

PAGE 1 231-25
HOURS 8.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65							.5											1	1																
62/ 61							.5											1	1																
60/ 59				.5														1	1																
56/ 57			.5	1.0														3	3																
56/ 55					.5	.5														1															
47/ 53							1.0																												
52/ 51		.5		1.0	1.5	.5												7	7																
50/ 48			1.5	.5	.5	1.0												7	7																
44/ 47			2.5	1.5	2.0	.5												13	13																
46/ 45	.5	1.0	1.5	5.1	2.0	.5												21	21																
44/ 43		1.0	4.6	2.0	1.5	.5												19	19	1															
42/ 41		3.1	4.6	5.1	1.0													27	27	12	7														
47/ 39		3.0	8.1	1.5	.5													26	26	27	5														
36/ 37		2.5	5.6	4.6	.5													26	27	28	14														
36/ 35	.5	2.0	2.5	1.5														13	13	34	12														
34/ 33		1.5	1.0	2.5														10	12	22	15														
32/ 31		4.6	4.6															19	18	15	29														
31/ 29																				14	23														
28/ 27																				1	12														
26/ 25																					12														
24/ 23																																			
22/ 21																					1														
20/ 19																					1														
17/ 17																					1														
16/ 15																					1														
14/ 13																					1														
TOTAL	1.0	19.3	37.1	26.9	10.2	4.6	1.0												197	198		197													

2

PSYCHROMETRIC SUMMARY

MAY
MONTH

HOURS (L, S, T.)

0-26-5 (QLA)

USAFETAC

PSYCHROMETRIC SUMMARY

77-83

YEARS

 MAY
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099

MAY
MONTH

PAGE ?

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 1200-1900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81											.2							1	1						
80/ 79											.3	.2						3	3						
78/ 77											.2							1	1						
76/ 75											.5	.2						4	4						
74/ 73										.3	.5	1.0						11	11						
72/ 71								.2	.3	.2	.7	.3						10	10						
70/ 69								.7	1.3	2.4	.8							31	31						
68/ 67							1.2	.7	2.0	2.9	1.0							46	46						
66/ 65					.2		.8	.8	2.9	3.2	.3							49	49						
64/ 63				.2		.7	.8	2.0	3.5	2.9								60	60						
62/ 61			.2	.2		.8	1.2	3.7	1.3	.5								47	47	1					
60/ 59			.3	.3	.2	1.2	3.0	4.1	1.9	.2								66	66	2					
58/ 57		.2			.5	3.9	5.2	3.5	.3									83	83	8					
56/ 55			.2	.7	1.0	1.0	2.5	.5										47	47	25					
54/ 53				.7	.5	1.0	2.0	1.2	.3									34	34	33					
52/ 51		.3		.2	.9	1.0	2.0	.2	.2									28	28	57					
50/ 49		.3		.8	.8	.3	.5	.2										18	18	85					
48/ 47			.3	.3	.7	1.5												17	17	125					
46/ 45		.3		.8	.7	.2												12	12	106					
44/ 43		.3		.3	.8	.2	.5											12	12	52					
42/ 41		.2	.5	.5														7	7	33					
40/ 39				.2														1	1	26					
38/ 37		.2	.2															2	2	24					
36/ 35		.2	.3															3	3	7					
34/ 33																				4					
32/ 31																				3					
30/ 29																									
28/ 27																				63					
26/ 25																				46					
24/ 23																				38					
22/ 21																				8					
20/ 19																				29					
18/ 17																				11					
16/ 15																				2					
Element (X)	Σ X'		Σ X		Σ		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

MAY

PAGE 2 1200-1400
HOURS (L. S. T.)

USAFETAC
FORM
AF 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

1500-3700
MAY 11 1963

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81												.2						1	1						
80/ 79												.2						1	1						
78/ 77										.2	.7	.2						6	6						
76/ 75										.5	.2	.2						5	5						
74/ 73										.7	.2	.7	.2					10	10						
72/ 71									.2	.3	.8	1.9						19	19						
70/ 69								.3	1.2	1.2	2.0	.3						30	30						
68/ 67								.2	1.0	3.0	1.2	.2						33	33						
66/ 65					.2		.7	.7	2.0	2.7	1.4							50	50						
64/ 63				.2	.2	.7	.8	2.5	3.6	1.4								55	55						
62/ 61			.2	.2	.8	.7	1.5	2.9	2.5	.3								54	54	1					
60/ 59			.2	.5	.5	2.2	2.7	2.7	1.4									57	57	2					
58/ 57			.2	.5	.2	3.0	4.7	2.4	.8									70	70	18					
56/ 55		.8	.2		1.7	4.2	3.6	.3	.2									65	65	12					
54/ 53			.2	.5	1.7	1.7	1.7	1.5	.2									44	44	39					
52/ 51				.3	1.0	1.2	1.9	.2										27	27	50					
50/ 49			.2		1.4	.2	1.7	.3										18	18	90					
48/ 47				.7	.5	.3	.3											11	11	120					
46/ 45			.5	.8	.5	.2												12	12	111					
44/ 43			.5	.2	.3	.2	.7											9	9	49					
42/ 41			.5	.2	.2													5	5	38					
40/ 39		.2	.3	.3	.5													8	8	29					
38/ 37			.2															1	1	13					
36/ 35																				12					
34/ 33																				7					
32/ 31																									
30/ 29																				114					
28/ 27																				41					
26/ 25																				54					
24/ 23																				34					
22/ 21																				13					
20/ 19																				22					
18/ 17																				16					
16/ 15																				1					
Element (X)	Σx^2		Σx		Σ		σ_s		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											$\pm 6 F$		$\pm 32 F$		$\pm 67 F$		$\pm 73 F$		$\pm 80 F$		$\pm 93 F$		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

77-83

YEARS

MAY
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAV
MONTH

PAGE 7 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
TOTAL	.3	2.7	4.0	4.9	13.9	20.1	16.9	15.0	11.0	7.9	2.0	.3							592	592	592											
Total Element (X)	X _{n'}	S _x	I	C _s	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.	1227915	25355	42.8	15.49%	592	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 92 F	Total																				
Dry Bulb	1908293	33293	56.2	7.86%	592			8.0	2.5			93																				
Wet Bulb	1230084	26810	45.3	5.19%	592		.6					93																				
Dew Point	652359	19174	32.4	7.24%	592	49.8						93																				

USAFETAC
FOIA b 7
0-26-5 (OL A)
SERVED NEARBY HARBORS OF THE FORMER OCEANITE

PSYCHROMETRIC SUMMARY

77-83

YEARS

DAY
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point														
81											.0	.0						2	2															
79											.1	.1						4	4															
77											.2	.2	.0					10	10															
75									.0	.2	.2	.1						16	16															
73								.0	.3	.3	.3	.0						34	34															
71							.1	.3	.2	.5	.1							38	38															
69						.0	.4	.5	.4	.6	.1							81	81															
67						.4	.3	.8	1.6	.5	.1							119	119															
65				.2	.1	.3	.6	2.0	1.8	.4								182	182															
63			.1	.1	.5	.6	1.7	2.1	1.1	.0								196	196															
61		.1	.1	.3	.5	1.2	2.2	1.5	.3									197	197	3														
59		.1	.1	.3	1.4	1.9	2.3	1.1	.1									233	233	9														
57	.0	.2	.2	.6	2.7	3.7	2.2	.5										322	322	42														
55	.3	.3	.3	1.2	2.9	2.8	.9	.1										274	274	41														
53	.2	.2	.8	1.6	2.3	1.5	.9	.1										243	243	126														
51	.3	.4	.3	2.1	2.3	1.5	.2	.0										270	230	178														
49	.2	.5	1.3	1.4	1.1	.9	.1											181	188	333														
47	.2	.6	1.3	1.7	1.0	.3												162	163	485														
45	.5	.4	.6	2.1	1.1	.7	.1	.1										157	158	501														
43	.3	1.2	1.1	.7	.4	.3												126	126	356														
41	.5	1.2	1.1	.5	.1													110	110	283														
39	.4	.9	.4	.5														74	74	252														
37	.5	.8	.7	.2														69	70	182														
35	.1	.4	.4	.3														40	40	137														
33		.4	.2	.2														26	26	92														
31	.0	.4	.5	.0														30	30	58														
29																				71														
27																				14														
25																																		
23																																		
21																																		
19																																		
17																																		
15																																		
Element (X)	Σ H'			Σ H			Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ														
Rel. Hum.																																		
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

7-2515 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-82

YEARS

JUN
MONTH

PAGE 1 C300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point												
61 / 67								.6										1	1													
64 / 63					.6													1	1													
62 / 61				.6		1.2												3	3													
60 / 59				.6	.6	.6												3	3													
57 / 57			.6	1.8	1.8	1.2	.											10	10	1												
56 / 55	.6	4.8	3.6	1.8	.6	.6												20	20	4	1											
54 / 53		2.4	5.4	2.4	.6	.6												19	19	11	7											
52 / 51		4.8	8.4	2.4		.6												27	28	23	5											
50 / 49		6.6	5.4	3.0	.6													26	26	22	11											
47 / 47		7.8	5.4	1.2														24	24	36	28											
46 / 45		6.6	4.2	.6														19	19	26	26											
44 / 43		3.0	1.8															8	8	22	26											
42 / 41		.6	1.2		.6													4	4	14	19											
40 / 39		1.2																2	2	4	22											
38 / 37																				3	7											
36 / 35																					8											
34 / 33																				1	3											
32 / 31																					3											
22 / 21																					1											
TOTAL	.537	7.35	9.14	4.5	4.8	.6	.6												167		167											
																		167		167												

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1037466	12982	77.70	3.055	167	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	436160	8522	50.7	4.815	168			.5				90
Wet Bulb	374398	7878	47.2	4.080	167							90
Dew Point	322521	7287	43.6	5.238	167		2.2					90

2
1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-87

YEARS

MONTH

PAGE 1

0900-1100
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
51/ 51										.4	.2							3	7																
75/ 75										.4	.2							3	5																
77/ 77								.2		.4			.2					4	4																
75/ 75							.2	.2	.4	.2	.6							11	11																
72/ 72							.4	1.2	.2									1	17																
71/ 71					.2	.6	.8	.2	2.0	.4								2	22																
69/ 69					.2	.2	1.6	3.2	1.8	.8								38	38																
67/ 67			.2		.2	2.4	3.2	.8	2.0	.6								47	47																
65/ 65				.6	1.2	2.2	1.8	1.4	1.6	.2								45	45																
63/ 63				.6	1.4	1.0	1.6	2.4	1.5	.4								43	45	16															
61/ 61		.2	.4	2.0	2.0	2.0	2.6	1.2										51	57	4	1														
59/ 59		1.0	1.6	2.6	.8	1.6	1.4											43	47	24															
57/ 57		1.8	1.6	2.2	1.4	2.0	.2											40	47	1	1														
55/ 55		1.2	1.2	2.0	2.4	.6												37	32	92	1														
53/ 53		1.8	1.4	1.6	.4	.8												31	30	49	24														
51/ 51		1.4	.8	1.6		.2	.2											21	21	24	27														
49/ 49		1.8	1.6	.6	.2	.2												22	22	14	40														
47/ 47	.2	1.8	.8	.2	.2													16	16	21	62														
45/ 45			.2	.2														2	2	21	24														
43/ 43		.2																1	1	2	47														
41/ 41		.2																1	1	1	47														
39/ 39		.2																1	1	2	46														
37/ 37																					3														
35/ 35																					1														
33/ 33																					1														
31/ 31																					1														
29/ 29																					1														
27/ 27																					1														
25/ 25																					1														
23/ 23																					1														
21/ 21																					1														
TOTAL	.211	.617	.415	.010	.714	.614	.6	.8	.4	9.4	4.8	1.0	.2					501	507	907	901														

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1326671	28747	57.3	18.825	501	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1945615	31177	61.5	7.996	507			24.5	5.2	.7		24
Wet Bulb	1421987	26399	52.7	4.659	501							24
Dew Point	1028793	22471	44.9	6.468	501		2.3					24

USAFETAC FORM 10-64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72515 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-82
YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
98/ 97														.6							3	3		
96/ 85														.4	.2						3	3		
92/ 81														.4							2	2		
80/ 79									.2		1.0	.2	.4								9	9		
78/ 77							.2	.2		1.4	1.4	.6									19	19		
76/ 75						.6	.2	.6	1.6	1.4	1.6	.4									33	33		
74/ 73						.2	.4	.6	1.8	1.4	.8										26	26		
72/ 71						.4	1.8	1.2	2.0	1.6	.8	.4									4	41		
70/ 69						1.2	1.4	1.4	2.8	.7	.8										39	39		
68/ 67					.4	1.4	1.6	3.6	3.8	1.2											60	60		
66/ 65				1.0	2.0	.8	2.0	2.6	1.0	.2											48	48	6	
64/ 63			.4	1.4	2.0	1.2	2.3	1.0	.4												42	43	2	
62/ 61			.4	1.4	1.8	1.2	1.2														28	33	19	
60/ 59		.6	.6	1.0	2.0	.6	.8														28	28	53	3
58/ 57		.8	.8	1.8	1.2	.8	.2														28	28	68	9
56/ 55		.8	1.8	2.2	1.0																29	29	80	13
54/ 53		.4	.3	1.4	.4	.2	.8														20	20	77	25
52/ 51	.2	1.4	.6	.6	.6	.4															19	19	98	30
50/ 49		.4	1.4	1.0																	12	12	49	54
48/ 47		.8	.2	.8																	9	9	31	48
46/ 45		.4																			2	2	13	54
44/ 43																							8	57
42/ 41																							6	56
40/ 39																								50
38/ 37																								40
36/ 35																								29
34/ 33																								11
32/ 31																								11
30/ 29																								6
28/ 27																								4
TOTAL	.2	5.6	6.6	12.2	11.4	9.0	12.8	11.2	13.6	7.4	6.6	1.6	1.2	.8							500	506	500	500
Element (X)	ΣX ²		ΣX		Σ		Σ _s		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	1423419		24950		49.9		18.909		500		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	2177097		32927		65.1		8.258		506						41.8		16.9		2.0				90	
Wet Bulb	1461863		26941		53.9		4.527		500														90	
Dew Point	990058		22012		44.3		6.487		500				3.8										90	

PSYCHROMETRIC SUMMARY

77-82

YEARS

JUN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-82

YEARS

JUN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	4.2	7.7	7.4	3.7	1.3	1.3	1.3	1.3	.5	8.3	6.2	3.0	1.6		.6	.6		503	505	503	503

USAFETAC
FORM
JUL 64
0-20-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

7 26 15	FT WAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

JUN
MONTN

PAGE 7 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
(F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	5.6	7.6	11.0	15.3	18.5	11.8	12.0	11.2	5.8	3.4	.8	1.8	.2	.2				502	504	502	502

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1485165	25803	51.4	17.808	502	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90
Dry Bulb	2066067	32041	63.6	7.608	504			33.0	9.6	1.6		90
Wet Bulb	1424569	26661	53.1	4.147	502							90
Dew Point	976756	21924	43.7	6.201	502	3.4						90

USAFETAC FORM 0-20-5 (OLA) IN THE PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

21

21

YEARS

PAGE 1

ALL
MOUSE 11.5.7.1

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-82

YEARS

JUN
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-82

YEARS

JUL
MONTN

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
71/ 69										.6																							1	1		
66/ 65										.6																							1	1		
64/ 63							.6																										1	1		
62/ 61			.6			.6				.6																							1	3		
59/ 59		1.9	3.1	1.9		.6	.6																									13	13	2	1	
58/ 57	.6	6.3	2.5	2.5		.6																										20	20	7	4	
56/ 55		10.0	10.3	1.9																													35	35	24	7
54/ 53	1.3	10.0	9.4	1.9																													36	36	28	23
52/ 51	.6	6.3	5.6	1.9																													23	23	35	26
51/ 49		6.3	1.9			1.3																											15	15	26	25
49/ 47		3.8	.6	.6																													8	8	22	27
46/ 45		.6																															1	1	10	25
44/ 43		1.9																															3	3	1	9
42/ 41																																			5	4
40/ 39																																			5	5
36/ 35																																				2
34/ 33																																				1
TOTAL	2.5	47.5	33.1	1.9	1.9	3.1																												160	160	160

2

PSYCHROMETRIC SUMMARY

7 2615	FY WAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

JUL
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7 / 77									.2									1	1					
76 / 75										.2								1	1					
74 / 73								.4	.4	.2								5	5					
72 / 71								.2										4	4					
70 / 69					.4	.4	.2	.4										7	7					
68 / 67					.2	2.5	.2	.2										18	18					
66 / 65		.2	.4	.4	2.3	1.0	.6	.2										25	25					
64 / 63		.2	1.2	2.7	3.1	1.6												43	43	1	1			
62 / 61		.6	2.1	3.7	2.5	1.0	.2	.2										50	50	10				
60 / 59		2.7	6.2	4.1	1.0	.2	.2											70	70	24	4			
58 / 57	.2	7.0	6.4	2.9	1.0	.6	.2											89	89	79	20			
56 / 55	.2	5.3	4.7	1.9	.2													50	60	119	45			
54 / 53	.6	5.3	4.3	.4	.6													55	55	91	77			
52 / 51	.2	3.9	1.4	.2	.4													30	30	69	90			
50 / 49		2.7	.2	.2														15	15	49	93			
48 / 47		1.9	.2															10	10	27	66			
46 / 45		.4	.2															3	3	11	45			
44 / 43																				5	19			
42 / 41																				1	8			
40 / 39																					9			
38 / 37																					4			
36 / 35																					2			
34 / 33																					3			
TOTAL	1.230	227.4	16.5	11.7	7.4	3.5	1.4	.4	.2									466	486	476	486			

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

2

77-82

YEARS

31 JUL
MONTH

PAGE : 1400-1400
HOURS (L.S.T.)

0-26-5 (OLA)

USAFETAC

2

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 1500-1740
HOURS (11:30-1:00)

USAFETAC
FORM
AF 44
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: LEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

7 2615	FT LAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

July
MONTH

PAGE 1 150-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
87/85												.2	.2					3	7															
87/83												.2						2	2															
87/81									.2	1.2	.2		.2					2	9															
87/79									.4	2.1	.4		.2					16	15															
77/77							.6	1.2	1.2	1.2	.2	.6						27	27															
76/75						.4	1.4	2.5	1.6	.6	.6							35	35															
74/73				.6	.4	1.4	3.1	1.2	1.5	.4	.6							47	47															
73/71					.6	1.4	2.3	1.2	.8	.4								36	36															
71/69				.2	1.4	1.2	.8	1.0	.2	.2								28	28	1														
67/67					1.2	2.3	3.5	1.2	.2									44	44	5														
66/65			1.6	3.3	1.6	1.9	2.6											53	53	12														
64/63		.2	1.4	3.3	1.4	1.2	.2											41	41	40	4													
62/61		1.4	2.7	2.5	1.2	1.4	.4											46	46	77	5													
60/59		1.2	1.4	1.6	.4	.4												25	25	45	21													
58/57	.2	1.3	2.3	.8	1.4		.6											31	31	57	45													
56/55		1.4	.8	.4	.4	.6												18	18	61	61													
54/53		.4	1.7	1.7	.6													15	15	39	73													
52/51			.8															4	4	12	59													
50/49		.6																4	4	19	67													
47/47	.4	.2																3	3	14	48													
47/45																				8	44													
44/43																					24													
43/41																					11													
40/39																					7													
37/37																					8													
37/35																					7													
34/33																					6													
32/31																					1													
TOTAL	.6	6.8	12.1	15.2	11.7	14.8	14.1	8.0	6.9	6.0	2.3	1.0	.6					466	486	486	456													

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1316642	28458	58.6	17.602	486							
Dry Bulb	2206845	32537	66.9	7.671	486			47.1	26.4	4.0		53
Wet Bulb	1626637	28033	57.7	4.464	486			1.1				93
Dew Point	1261351	24597	50.6	5.827	486		.2					93

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7c

YEARS

12-1-1964

USAFETAC
FORM 0.26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7 2615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

77-82

JUL
MONTH

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
47/ 93																		1	1													
57/ 91																		2	2													
67/ 89																		1	1													
77/ 87																		10	10													
86/ 85																		14	14													
94/ 83																		22	22													
107/ 81																		57	57													
117/ 79																		82	82													
127/ 77																		101	101													
137/ 75																		145	145													
147/ 73																		143	143													
157/ 71																		153	153													
167/ 69																		174	174													
177/ 67																		192	193													
187/ 65																		218	219													
197/ 63																		215	215													
207/ 61																		199	199													
217/ 59																		200	202													
227/ 57																		210	211													
237/ 55																		159	159													
247/ 53																		138	138													
257/ 51																		69	69													
267/ 49																		52	52													
277/ 47																		26	26													
287/ 45																		5	5													
297/ 43																		3	3													
307/ 41																																
317/ 39																																
327/ 37																																
337/ 35																																
347/ 33																																
357/ 31																																
367/ 29																																

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature					
≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F
					Total

2

YEARS

77-82

July
MONT

PAGE 2

311
HOURS (L. S. T.)

USAFETAC FORM 0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-26-15	FT WAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

April
MONTH

PAGE 1

~~0300-0500~~
MOMENTS (1-5-7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
66/ 65					.6													1	1															
64/ 63			.6															1	1															
62/ 61		.6	1.2	.6	.6													5	5															
60/ 59			1.2			1.2												4	4	2	1													
58/ 57		2.8	1.2	.6														8	8	4														
56/ 55		2.3	1.5	.6														11	11	2	7													
54/ 53		4.6	4.6	1.2														18	18	8	6													
52/ 51	.6	5.8	7.5	1.7														27	27	16	11													
50/ 49	.6	5.8	1.2	1.7														23	23	30	17													
48/ 47		12.7	.6															23	23	36	26													
46/ 45	1.7	3.5		.6														10	10	10	36													
44/ 43		4.6	.6															8	8	12	13													
42/ 41		4.6	.6															9	9	8	16													
40/ 39	1.7	3.5	.6															10	10		11													
38/ 37		.6	4.6															9	9	10	5													
36/ 35		1.7																3	3	7	11													
34/ 33		.6																1	1	3	6													
32/ 31		1.2																2	2	1	4													
30/ 29																				1	2													
28/ 27																					1													
TOTAL	5.262	4.23	1	6.9	1.2	1.2												173		173	173													
																		173		173														

Element (X)	Σ x ²	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1274429	14783	85.5	9.403	173	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	419463	8441	49.8	6.652	173		1.1					93
Wet Bulb	381864	8058	46.6	5.974	173		1.1					93
Dew Point	349220	7700	44.5	6.149	173		3.8					93

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USAFETAC

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77-82

AUC
MONTH

PAGE 1 C900-1100
HOURS (L. S. T.)

USAFETAC
FORM
JUL 84
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT WAINWRIGHT AAF AK

77-87

AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point					
61/ 89												.2										1	1		
66/ 87												.2										1	1		
66/ 85												.2										5	5		
64/ 83											.4	.4										4	4		
62/ 81									.2	.4	.6	.4										8	8		
61/ 79									.2	1.4	1.3	.6										19	19		
72/ 77								.3	1.3	2.7	2.1	.4										35	35		
74/ 75						.4	.6	1.7	2.5	1.3												34	34		
74/ 73						1.3	.6	2.3	1.3	.2	.6											33	33		
72/ 71					.2	.8	2.1	1.9	1.5	.2	.4											37	39		
70/ 69					.8	2.5	2.1	.9	1.0	.2	.4											40	40		
68/ 67			.2	.8	2.3	2.7	1.5	.6														42	42	2	
66/ 65				.4	2.1	2.7	.9	.6	1.0													39	40	22	
64/ 63			.2	.6	1.3	1.5	1.3															26	26	33	
62/ 61			.2	1.3	1.9	1.3	.4	.6														20	30	48	1
60/ 59		.4	1.7	2.9	2.1	1.0	.4	.4	.2													47	47	73	3
58/ 57		.6	1.2	2.7	.8	.2	.6															21	31	60	19
56/ 55		.4	1.7	2.7	.2																	26	26	65	22
54/ 53		2.1	1.9	.8	.6	.6																31	31	76	52
52/ 51		1.7	1.3	.2																		17	17	59	72
50/ 49		1.2	.2																			7	7	40	92
48/ 47		.2	.4																			3	3	24	73
46/ 45		.2																				1	1	11	66
44/ 43		.4																				2	2	4	44
42/ 41																									22
40/ 39																									20
38/ 37																									6
36/ 35																									6
34/ 33																									12
32/ 31																									5
29/ 27																									1
27/ 25																									2
24/ 23																									1
Element (X)	ΣX^2		ΣX		\bar{X}		C_x		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

2

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

USAFETAC
FORM
AA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AGE
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
87/ 87											.2							1	1					
86/ 85											.6							3	3					
84/ 83									.2	.8	1.0	1.0						15	15					
82/ 81							.2	.6	1.2	.6	.4							15	15					
80/ 79						.2	1.2	1.2	1.4	.0								19	19					
78/ 77						.2	1.0	1.0	1.0	.8								30	30					
76/ 75					.6	.4	.8	1.0	.4	.4								23	23					
74/ 73				.8	1.5	2.0	2.1	.4	.2	.2								45	45					
72/ 71					1.7	1.5	4.2	1.7	.8	.2	.4							55	55					
70/ 69			.2	.8	1.7	2.1	2.5	1.3		.2								46	46					
68/ 67			.2	.8	1.9	1.9	1.5	1.3	.4									42	42	4				
66/ 65		.2	.2	1.3	1.3	1.2	.8	.2										27	27	23				
64/ 63			.2	1.7	2.3	.4	.6											29	29	35				
62/ 61		.2	.4	1.3	1.2	1.9	.2	.4	.6									32	32	56				
60/ 59		.4	1.0	1.9	2.3	1.0	.4											36	36	68				
58/ 57		.6	.4	2.1	1.1	.4												23	23	71				
56/ 55			1.5	2.5	.6	.2	.2											26	26	58				
54/ 53		1.5	1.7	1.0	.4	.4												26	26	60				
52/ 51		1.3	.6			.2												11	11	69				
50/ 49		1.7																9	9	40				
48/ 47		.2	.6															4	4	18				
46/ 45		.4																2	2	10				
44/ 43																				7				
42/ 41																				38				
40/ 39																				13				
38/ 37																				3				
36/ 35																				10				
34/ 33																				4				
32/ 31																				12				
30/ 29																				1				
28/ 27																				3				
26/ 25																				1				
TOTAL	6.6	6.6	11.0	8.3	14.1	10.4	15.4	13.1	7.3	5.4	1.9							519	519	519				
Element (X)	ΣX'		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	1554294		76960		51.9		17.233		519		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	2381280		34548		67.1		8.943		519						52.7		27.1		7.2				93	
Wet Bulb	1652128		29167		56.2		5.157		519						.7								93	
Dew Point	1185311		24601		47.4		6.089		519				3.0										93	

PSYCHROMETRIC SUMMARY

7 2515 FI WAINWRIGHT AAF AK
STATION STATION NAME

77-62

YEARS

ALL
MONTHS

PAGE 1 1500-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-82

YEARS

AL
MONTH

PAGE 1

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
90																													1	1			
87																													2	2			
85																													9	9			
82																													23	23			
81											.1	.2	.5	.2															28	28			
79											.1	.8	.6	.3															49	49			
77										.1	.7	1.1	.9	.2															83	83			
75								.2	.5	1.2	1.1	.4	.1																95	95			
74						.0	.5	.9	1.7	.9	.3	.3	.0																128	128			
72						.1	.9	1.6	1.7	.9	.3	.1	.1																156	158			
70				.1	.6	1.8	1.6	1.1	.7	.1	.1																		164	167			
67			.0	.1	.9	1.8	1.5	1.1	.6	.1																			171	171		7	
65		.1	.1	.5	2.7	1.4	.9	.6	.3																				173	174	55		
63		.2	.3	1.2	1.2	1.3	.3	.3																					139	139	119		
61		.2	.6	1.7	1.5	1.1	.3	.3	.1																				161	161	186	5	
59		.1	1.7	2.2	2.0	.7	.1	.3	.0																				198	199	281	23	
57		1.3	1.5	2.3	1.4	.2	.3																						193	193	277	63	
55		.9	2.4	2.5	.5	.1	.3																						185	185	303	155	
53	.0	2.3	3.0	1.2	.4	.3																							201	201	321	257	
51	.1	3.3	2.3	.4	.3	.1																							182	182	332	299	
49	.1	3.6	1.4	.5	.1																								162	162	332	409	
47	.1	2.6	.5	.1	.1																								96	96	219	420	
45	.1	1.2	.4	.2	.3																								55	55	143	381	
43		1.0	.3	.0																									38	38	67	246	
41		.7	.2	.1																									27	27	45	176	
39	.2	.4	.1																										20	20	36	110	
37	.1	.5	.0																										18	18	23	50	
35		.3																											7	7	16	64	
34		.0																											1	1	6	44	
32		.1																											2	2	1	55	
30																																1	6
27																																	5
25																																	3
23																																	1
Element (X)	ΣX'	ΣX	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature																											
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72615	FT WAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

MONTH

PAGE

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 25 15 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-80

YEARS

MONTH

PERIOD 13-0-0500
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
57 / 57																		1		1															
54 / 53																		1		1															
51 / 51			.6	.6	.6													3		3															
50 / 40		1.9	.6	.6														5		5															
47 / 47		1.2	1.2	.6														5		5															
46 / 45	1.9	6.2	1.9	2.5														10		20	11														
44 / 43	1.2	3.7	2.5	.6														13		13	13														
42 / 41	1.9	6.8	2.5	1.2														10		20	17	15													
40 / 39	2.5	8.1	2.5															21		21	27	17													
38 / 37	1.9	6.2	.6	.6														15		15	12	19													
36 / 35	1.2	4.3	1.9															12		12	20	11													
34 / 33	1.2	7.5	.6															15		15	15	17													
32 / 31	1.9	6.2	1.9															16		16	13	23													
30 / 29	1.9	1.9																6		6	11	14													
28 / 27	.6	1.9																4		4	6	13													
26 / 25		.6																1		1	3	5													
24 / 23		1.9																3		3	4	2													
22 / 21																																			
20 / 19																																			
18 / 17																																			
TOTAL	16.1	59.1	16.8	6.8	1.2													101			101	161													

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	118.202	137.2	85.1	11.204	161	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	249403	6253	38.8	6.396	161		16.8					90
Wet Bulb	226704	5966	37.1	5.931	161		21.8					90
Dew Point	199254	5562	34.5	6.664	161		35.8					90

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1150202	13702	85.1	11.204	161	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	249403	6253	38.8	6.396	161		16.8					90
Wet Bulb	226704	5966	37.1	5.931	161		21.8					90
Dew Point	199254	5562	34.5	6.664	161		35.8					90

USAFETAC FORM 0-26-5 (OL A) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

7	1015	FT WAINWRIGHT AAF AK
STATION		STATION NAME

77-83

YEARS

MONTH

49 43, 1 1

2-21-61
HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
57																		3	3																
56																		2	2																
55																		1	1																
54																		0	0																
53																		0	0																
52																		0	0																
51																		0	0																
50																		0	0																
49																		0	0																
48																		0	0																
47																		0	0																
46																		0	0																
45																		0	0																
44																		0	0																
43																		0	0																
42																		0	0																
41																		0	0																
40																		0	0																
39																		0	0																
38																		0	0																
37																		0	0																
36																		0	0																
35																		0	0																
34																		0	0																
33																		0	0																
32																		0	0																
31																		0	0																
30																		0	0																
29																		0	0																
28																		0	0																
27																		0	0																
26																		0	0																
25																		0	0																
24																		0	0																
23																		0	0																
22																		0	0																
21																		0	0																
20																		0	0																
19																		0	0																
18																		0	0																
17																		0	0																
TOTAL	9.155	6.25	4.6	2.1	1.0	1.0												4.4		4.4															

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	33692.5	39989	82.6	11.622	484	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	Total
Dry Bulb	625362	19484	42.3	6.595	484		14.5					9.3
Wet Bulb	717929	18417	38.1	5.966	484		19.0					9.1
Dew Point	618867	17011	35.1	6.592	484		32.7					9.1

THESE ARE THE NAMES OF THE STUDENTS WHOSE NAMES ARE ON THE LIST

0.265 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

7 26 15 FT FAIRBRIGHT AAF AK
STATION STATION NAME

77-82

YEARS

MONTE

Page 2

1950-1951
HOURS 1 5 10

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
70 / 59																		1	1																
67 / 67																		1	1																
66 / 65																		2	2																
64 / 63																		7	7																
62 / 61																		6	6																
61 / 59																		16	16																
60 / 57																		24	24																
59 / 55																		29	29																
54 / 53																		34	34																
52 / 51																		39	39																
50 / 49																		52	52																
47 / 47																		44	44																
47 / 45																		73	63																
44 / 43																		34	34																
42 / 41																		22	22																
41 / 39																		23	23																
37 / 37																		27	27																
36 / 35																		20	20																
34 / 33																		22	22																
33 / 31																		7	7																
31 / 29																		4	4																
27 / 27																																			
27 / 25																																			
24 / 23																																			
22 / 21																																			
21 / 17																																			
17 / 17																																			
17 / 15																																			
TOTAL	1.428	1.123	1.290	1.1	1.2	6.4	3.7	1.0										474		474															

Element (X)	Σ x'	Σ x	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2522454	34188	70.614	923	484	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1104266	22906	47.1	7.838	484		2.0	0.4				90
Wet Bulb	897022	20618	42.6	6.224	484		7.3					90
Dew Point	699639	18117	37.4	6.701	484		23.1					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: FATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2615 EL MAINWRIGHT AAF AK
STATION STATION NAME

77-82

YEARS

MONTH

PAGE 1 ~~1230-1430~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73									.4									2	2																
72/ 71							.4											2	2																
70/ 69						.6	.4	.6	.6	.2								17	17																
68/ 67						.6	.4	.6	.6									11	11																
66/ 65					.2	.2	.6	1.7										13	13																
64/ 63					.5	.8	.8	.3	1.0									18	18																
62/ 61					.6	1.7	1.7	1.9	.2									29	29	1															
60/ 59				.2	1.7	3.1	2.3	1.0	.2									41	41	5															
58/ 57		.4	.3	2.5	2.3	1.1	.1											37	37	9															
56/ 55	.6	.5	2.5	1.7	2.9	.4												42	42	3															
54/ 53		1.9	2.7	2.5	1.7													42	42	7	3														
52/ 51	1.4	1.7	1.2	2.5	.4													35	35	37	11														
50/ 49	.8	3.3	1.7	2.5	.2													41	41	76	6														
48/ 47	.6	.3	1.9	1.2	.4													23	23	68	27														
46/ 45	1.4	2.9	1.7	.2	.2													31	31	91	40														
44/ 43	1.2	1.2	.4	.2	.4													14	16	42	42														
42/ 41	1.7	2.5	1.4	.6	.2													31	31	45	36														
40/ 39	.8	3.1	.6															23	23	24	54														
38/ 37	.3	1.7	1.9															21	21	26	49														
36/ 35	1.0	.8	.2															10	10	24	52														
34/ 33	.2																	1	1	16	56														
32/ 31																				12	24														
30/ 29																					10														
28/ 27																					14														
26/ 25																					3														
24/ 23																					3														
22/ 21																					2														
20/ 19																					1														
18/ 17																					1														
TOTAL	10.820	7.17	4.16	8.15	7.8	1.7	2	3.1	.2									403	403	403															

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1866973	29020	60.115	998	483	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1264716	25324	52.4	6.781	483			5.7	.4			92
Wet Bulb	1016479	21948	45.4	6.290	483		2.2					90
Dew Point	717781	18335	38.0	6.722	483		18.4					92

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 26 15 FT HAINWRIGHT AAF AK

77-80

YEARS

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
71								.2	.2									2	2									
69						.6	.4	1.4	1.0									17	17									
67						.6	.4	.4	.4	.4								11	11									
65						.2	.2	.2	.4	.2								12	12									
63					.2	2.9	1.2	1.0	.8	.4								36	36									
61					1.2	2.3	2.3	1.0										33	33									
59				.8	1.2	3.3	2.5	.8	.2									43	43	5								
57			.6	1.2	.8	1.9	.8	.9										30	30	6								
55		.4	.6	1.4	.8	2.3	.8											31	31	13								
53		.8	3.3	2.5	.8	1.2												42	42	39	5							
51		.4	1.9	1.4	2.7	.6												34	34	50	8							
49			2.1	1.9	.8	.2												24	24	73	10							
47	1.0	2.1	2.7	2.1	.2													39	39	52	20							
45	1.7	1.2	1.2	.4	.4													21	21	47	49							
43	1.4	1.4	.8		.2													16	16	46	54							
41	1.2	2.5	1.9	.6	.2													31	31	37	34							
39	.2	.6	3.1	.8	.6													26	26	31	46							
37	1.2	1.4	2.3															24	24	22	51							
35	.2	1.4																5	5	27	59							
33																				16	34							
31																				17	49							
29																					24							
27																						10						
25																						9						
23																						7						
21																							11					
19																						3						
17																						1						
TOTAL	.2	8.5	21.7	19.7	12.4	17.2	9.5	7.9	2.9	1.0								483	483	483								
																									483		483	
Element (X)	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X			
Rel. Hum.	1604953		28487		59.7		16.092		483		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total					
Dry Bulb	1386378		25502		52.8		9.098		483						5.6								90					
Wet Bulb	1022924		22004		45.6		6.520		483				3.2										90					
Dew Point	712899		18243		37.8		7.035		483				21.2										90					

PSYCHROMETRIC SUMMARY

7 2 15	FI WAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

SEP
MONTH

PAGE 1 1850-200
MOORE (1 5 7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
67 / 67					.2			.2										2	2															
67 / 65					.4		.2		.2									4	4															
67 / 63				.2	.4		.4		.7									4	4															
67 / 61			.2	.2	1.0		.4	.4										11	11															
67 / 59			.2	1.4	1.0	1.0	.4											22	22	2														
67 / 57			.4	1.0	1.0	2.5	.6	.2										28	28															
67 / 55		.2	.6	1.0	2.1	1.4	.4											32	32	5	1													
67 / 53		1.4	1.2	1.7	1.9	1.2												36	36	14	7													
67 / 51		1.0	3.5	1.9	1.7	.6	.2											40	40	20	5													
67 / 49	.2	1.9	4.3	1.2	1.9													46	46	41	11													
67 / 47		2.7	2.1	2.5	.8	.2												40	47	69	16													
67 / 45		1.7	2.3	2.7	.8													36	36	59	42													
67 / 43		3.1	3.7	3.1	.2													44	44	36	50													
67 / 41		2.7	1.2	2.7														32	32	51	37													
67 / 39	.2	2.5	2.9															27	27	42	44													
67 / 37		2.9	1.9		.4													25	25	39	46													
67 / 35	.8	1.4	2.1	.6														24	24	40	57													
67 / 33		1.4	1.7	.4														17	17	16	35													
67 / 31		1.0	.6		.2													10	10	16	51													
67 / 29	.2																	1	1	16	33													
67 / 27																				3	20													
67 / 25																				1	11													
67 / 23																					1													
67 / 21																					6													
67 / 19																					8													
67 / 17																					1													
67 / 15																					1													
TOTAL		1.4	2.4	2.9	0.19	3.1	3.9	2.3	2.9	1.2	.2							483	483		483													
																		483		483														

Element (X)	ΣX ²	ΣX	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	242.541	338.13	69.2	15.087	483	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	11241.2	22968	47.6	8.135	483		2.0	.4				90
Wet Bulb	9050.36	20669	42.8	6.597	483		7.1					90
Dew Point	6969.31	18007	37.3	7.288	483		28.6					90

PSYCHROMETRIC SUMMARY

78

YEARS

3 F F
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72515 ET WAINWRIGHT AAF AK
STATION STATION NAME

77-82

YEARS

SEP
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
74/ 73									.1									2	2					
72/ 71							.1											4	4					
70/ 69						.2	.2	.4	.3	.0								10	30					
68/ 67					.2	.3	.2	.2	.2	.1								25	25					
66/ 65					.2	.2	.3	.5	.1	.0								33	33					
64/ 63				.2	.2	.8	.5	.7	.3	.1								67	67					
62/ 61		.0	.1	.6	.9	1.0	.5	.0										82	82	1				
60/ 59			.3	1.0	1.6	1.2	.5	.1										123	123	12				
58/ 57			.4	.7	1.0	1.7	.7	.3										123	123	24				
56/ 55		.2	.5	1.5	1.2	1.5	.3											136	136	24	1			
54/ 53		.6	1.7	1.9	1.2	1.7												163	163	99	15			
52/ 51		.8	2.1	1.2	1.7	.3	.1											162	162	135	30			
50/ 49	.3	1.2	3.0	1.7	1.4	.2												195	195	246	37			
48/ 47		.3	2.3	1.9	1.8	.9	.2											182	182	236	97			
46/ 45	.3	3.2	2.6	2.1	.4	.1												223	223	264	195			
44/ 43	.1	3.3	2.1	1.0	.2	.1												176	176	251	258			
42/ 41	.2	3.4	2.5	1.6	.2	.1												205	205	257	203			
40/ 39	.5	2.8	2.9	.4	.2	.0												176	176	233	261			
38/ 37	.5	2.5	1.7	1.0	.1													148	148	193	261			
36/ 35	.3	2.3	1.6	.3														118	118	177	255			
34/ 33	.3	1.8	.7	.2														76	76	131	237			
32/ 31	.6	1.9	.6		.1													81	81	118	314			
30/ 29	.4	.5	.1															24	24	72	133			
28/ 27	.4	.5	.2															14	14	29	49			
26/ 25		.2																6	6	14	56			
24/ 23		.2																4	4	8	28			
22/ 21		.0																1	1	1	46			
20/ 19																					31			
18/ 17																					1			
16/ 15																					1			
14/ 13																					1			
TOTAL	3.3	27.7	24.5	15.7	10.6	9.1	4.4	3.1	1.2	.2								2579		2579				
																		2579		2579				
Element (X)	Σx'		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.	13173644		178856		69.4		17.2		2579		± 0 P		± 32 P		± 67 P		± 73 P		± 80 P		± 93 P			
Dry Bulb	6038037		122397		47.5		9.4		2579				36.3		17.0		.6				Total			
Wet Bulb	4788787		109669		42.5		6.9		2579				67.6								720			
Dew Point	3647606		95320		37.0		6.9		2579				197.9								720			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2
3

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77-82

CCI
MONTH

~~03CG-USAC~~
~~MOBILE U.S.T.~~

FORM

0-26-S (OL A)

REVISED FOR VARIOUS EDITIONS OF THIS PUBLIS AND OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

7 26 15	FT JAYNPWIGHT AAF AK
STATION	STATION NAME

77-82

	YEAR
1970	1970
1971	1971
1972	1972
1973	1973
1974	1974
1975	1975
1976	1976
1977	1977
1978	1978
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2109	2109
2110	2110
2111	2111
2112	2112
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2119	2119
2120	2120
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2130	2130
2131	2131
2132	2132
2133	2133
2134	2134
2135	2135
2136	2136
2137	2137
2138	2138
213	

OCT
MONTH

PAGE 7

0300-0500
HOURS (L. S. T.)

[illegible]

77-8?

OCT
MONTH

YEARS

PAGE 2

7000-08.0
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

12618	FI GAINWRIGHT AAF AK
STATION	STATION NAME

77-82

YEARS

66 MONTH

PAGE 1 990-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point														
55 / 55					.2	.4	.2											4	4															
54 / 53						.2												1	1															
53 / 51				.2	.2													2	2															
52 / 49					.2													1	1															
49 / 47					.6													3	3	1														
48 / 45			.4	.6	.4		.4											9	9	4														
44 / 43			.2	.8	.6	.4	.2											14	14	5	1													
42 / 41			.6	1.2	.6													11	11	7	4													
40 / 39			.8	1.6	1.4	.2												20	20	12	8													
38 / 37			4.1	2.4	2.2													42	42	20	3													
37 / 35			2.7	2.5	1.7													32	32	33	17													
34 / 23	.2	1.1	1.4	1.4														44	44	35	19													
32 / 31	.3	4.1	3.7	.2														48	48	63	41													
29 / 29	1.2	5.9	2.4															51	51	36	43													
27 / 27	.2	6.3	.6															36	36	57	37													
26 / 25	.6	6.7	1.6															45	45	55	42													
24 / 23	.4	1.8	.4															13	13	42	32													
22 / 21	2.4	2.4	.2															23	23	22	28													
20 / 19	2.9	2.2																26	26	24	59													
18 / 17	.3	1.2																9	9	15	28													
16 / 15	1.2	1.8	.2															16	16	12	22													
14 / 12	.4	1.2	.6															10	10		24													
13 / 11	.4	1.7																7	7	13	13													
11 / 9	.2	1.2																7	7	7	14													
9 / 7		.8																4	4	7	7													
8 / 5		.4																3	3	5	2													
7 / 3		1.2																5	5	5	1													
6 / 1		1.6																8	8	5	4													
5 / -1	.7																	4	4	8	3													
-2 / -3	.2	.4																3	3	2	5													
-4 / -5	.6																	3	3	4	5													
-6 / -7																					5													
-8 / -9																					6													
-10 / -11	.2																	1	1	1	4													
Element (X)	$\Sigma X'$	ΣX	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																											
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																					
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

77-87

YEARS

U.S. T
MONTH

PAGE 2 2500-1100
HOURS 11:57

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
-17/-15	.6																	3	2	2	2												
-17/-17	.2																	1	1	1	3												
-17/-19	.2																	1	1	1	1												
-27/-29																					1												
-77/-33																					1												
-34/-35																																	
-77/-37																																	
TOTAL	14.75	4.51	9.2	8.4	1.6	1.2	.2											510	510	510	510												

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2947391	38121	74.713	.873	510	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93
Dry Bulb	460275	14121	27.711	.667	510	2.9	59.6					93
Wet Bulb	390730	13032	25.617	.649	510	3.6	71.3					93
Dew Point	289507	10375	20.312	.414	510	7.8	84.8					93

PSYCHROMETRIC SUMMARY

7 12 15 67 MAIN SIG-I AAF AF
STATION STATION NAME

77-63

YEARS

LCI
MORIM

PAGE 1 125-1400
HOURS (L.S. T.)

[illegible]

USAFETAC FORM 026.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7 1915	PT JAINPRIGHT AAF AK
STATION	STATION NAME

77-4

YEARS

MONTH

PAGE 2 100-14
HOURS 1.5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
-1 / -5			•2															1	1	1															
- / -7		•6	•2															4	4	4															
- / -9																					1														
-1 / -11																																			
-1 / -13																																			
- / -15																																			
- / -17																																			
-1 / -25																																			
T 14 L	7.0	44.0	19.0	15.1	2.6	2.0	.3	.4																											

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 30 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel Hum.	3651.465	35947	70.7	15.243	510							93
Dry Bulb	5047.15	16289	31.8	11.710	510	1.8	49.0					93
Wet Bulb	4704.62	14522	28.7	10.032	510	2.4	57.8					93
Dew Point	3223.73	11547	22.6	10.241	510	5.3	81.7					93

10

7 015	FI RAINWRIGHT AAF AK
STATION	STATION NAME

YEARS

77-82

10

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

USAFETAC 0265 (OL A) RECEIVED PERMANENT RECORDS OF THE ARMY AIR CORPS OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/CMAC

PSYCHROMETRIC SUMMARY

7-2015 STATION EI WAINWRIGHT AAF AK STATION NAME

77-82

YEARS

151
MONTH

PAGE 1

~~1800-2300~~
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 57/55 | | | | | | | .2 | .2 | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 54/52 | | | | .4 | | | .2 | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | |
| 52/51 | | | .2 | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| 50/49 | | | | | .2 | | | | | | | | | | | | | 1 | 1 | 2 | 1 | | | | | | | | | | | | | | |
| 47/47 | | | | .2 | | .2 | | | | | | | | | | | | 2 | 2 | | 2 | | | | | | | | | | | | | | |
| 44/45 | | | | .4 | .2 | | | | | | | | | | | | | 3 | 3 | 1 | | | | | | | | | | | | | | | |
| 44/43 | | | .4 | 1.0 | .8 | | .2 | .4 | | | | | | | | | | 14 | 14 | 4 | | | | | | | | | | | | | | | |
| 42/41 | | | .2 | .6 | .8 | .4 | | | | | | | | | | | | 16 | 16 | 7 | 1 | | | | | | | | | | | | | | |
| 40/39 | .4 | 1.4 | 1.2 | .8 | | | | | | | | | | | | | | 19 | 19 | 11 | 6 | | | | | | | | | | | | | | |
| 38/37 | | .6 | 1.2 | 1.6 | | | | | | | | | | | | | | 21 | 21 | 12 | 4 | | | | | | | | | | | | | | |
| 36/35 | | .6 | 3.5 | 4.5 | 1.0 | | | | | | | | | | | | | 49 | 49 | 23 | 6 | | | | | | | | | | | | | | |
| 34/33 | | | 5.9 | 2.4 | 1.5 | | | | | | | | | | | | | 47 | 47 | 42 | 16 | | | | | | | | | | | | | | |
| 32/31 | 1.6 | 5.2 | 1.6 | 1.0 | | | | | | | | | | | | | | 63 | 63 | 71 | 39 | | | | | | | | | | | | | | |
| 30/29 | 1.2 | 5.3 | 1.8 | | | | | | | | | | | | | | | 42 | 42 | 53 | 41 | | | | | | | | | | | | | | |
| 28/27 | .2 | 3.5 | .8 | | | | | | | | | | | | | | | 23 | 23 | 45 | 46 | | | | | | | | | | | | | | |
| 26/25 | 1.0 | 5.3 | .2 | | | | | | | | | | | | | | | 37 | 37 | 37 | 62 | | | | | | | | | | | | | | |
| 24/23 | 2.2 | 3.5 | .2 | | | | | | | | | | | | | | | 30 | 30 | 53 | 25 | | | | | | | | | | | | | | |
| 22/21 | 2.2 | 1.0 | | | | | | | | | | | | | | | | 19 | 19 | 24 | 37 | | | | | | | | | | | | | | |
| 20/19 | 2.9 | 1.4 | | | | | | | | | | | | | | | | 22 | 22 | 18 | 73 | | | | | | | | | | | | | | |
| 18/17 | 1.1 | 1.8 | .2 | | | | | | | | | | | | | | | 15 | 15 | 13 | 27 | | | | | | | | | | | | | | |
| 16/15 | 1.0 | 1.8 | .2 | | | | | | | | | | | | | | | 19 | 19 | 20 | 18 | | | | | | | | | | | | | | |
| 14/13 | 1.4 | 1.2 | .2 | | | | | | | | | | | | | | | 14 | 14 | 11 | 25 | | | | | | | | | | | | | | |
| 12/11 | .8 | 1.0 | | | | | | | | | | | | | | | | 8 | 8 | 10 | 12 | | | | | | | | | | | | | | |
| 10/9 | 1.2 | 1.4 | | | | | | | | | | | | | | | | 13 | 13 | 14 | 8 | | | | | | | | | | | | | | |
| 8/7 | .6 | 1.2 | | | | | | | | | | | | | | | | 9 | 9 | 9 | 10 | | | | | | | | | | | | | | |
| 6/5 | | .4 | | | | | | | | | | | | | | | | 2 | 2 | 7 | 6 | | | | | | | | | | | | | | |
| 4/3 | | 1.0 | | | | | | | | | | | | | | | | 5 | 5 | 4 | 2 | | | | | | | | | | | | | | |
| 2/1 | .2 | .6 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 7 | | | | | | | | | | | | | | |
| 0/-1 | .4 | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 6 | | | | | | | | | | | | | | |
| -2/-3 | .4 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 | | | | | | | | | | | | | | |
| -4/-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -6/-7 | .2 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 6 | | | | | | | | | | | | | | |
| -8/-9 | .6 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 2 | | | | | | | | | | | | | | |
| -10/-11 | .4 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 | | | | | | | | | | | | | | |
| Element (X) | ΣX' | ΣX | Σ | Σ ₂ | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2

YEARS

77-67

05 T
MONTH

PAGE 2 1570-210
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

12515 FT WAINWRIGHT AAF AB
STATION STATION NAME

78-82

YEARS

MONTH

PAGE 1 210-2300
HOURS (L. S. T.)

[illegible]

YEARS _____ OCT _____
MONTH _____
PAGE 1 ALL _____
HOURS (L. S. T.) _____

| | |
|---------|----------------------|
| 712615 | FT WAINWRIGHT AAF AK |
| STATION | STATION NAME |

77-82

YEARS

66
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|----------------------|
| 72615 | FT WAINWRIGHT AAF AK |
| STATION | STATION NAME |

77-82

001
MONY

YEARS

PAGE

ALL
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| -1/-5 | | | .5 | .1 | | | | | | | | | | | | | | 17 | 17 | 13 | 27 | |
| -1/-7 | | | .4 | .0 | | | | | | | | | | | | | | 13 | 13 | 14 | 26 | |
| -1/-9 | | | .2 | | | | | | | | | | | | | | | 5 | 6 | 6 | 30 | |
| -1/-11 | | | .1 | | | | | | | | | | | | | | | 3 | 3 | 3 | 24 | |
| -1/-13 | | | | | | | | | | | | | | | | | | | | | 1 | |
| -1/-15 | | | .1 | | | | | | | | | | | | | | | 3 | 3 | 3 | 16 | |
| -1/-17 | | | .2 | | | | | | | | | | | | | | | 6 | 6 | 6 | 8 | |
| -1/-19 | | | .2 | | | | | | | | | | | | | | | 6 | 6 | 6 | 13 | |
| -1/-21 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 | |
| -2/-25 | | | | | | | | | | | | | | | | | | | | | 4 | |
| -2/-29 | | | | | | | | | | | | | | | | | | | | | 1 | |
| -2/-33 | | | | | | | | | | | | | | | | | | | | | 4 | |
| -3/-35 | | | | | | | | | | | | | | | | | | | | | 1 | |
| -3/-37 | | | | | | | | | | | | | | | | | | | | | 2 | |
| -3/-39 | | | | | | | | | | | | | | | | | | | | | 2 | |
| TOTAL | 18.750 | 316.6 | 9.3 | 3.4 | 1.2 | .5 | .1 | | | | | | | | | | | 2739 | | 2739 | | |
| | | | | | | | | | | | | | | | | | | 2739 | | 2739 | | |

| Element (X) | Σ X' | Σ X | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------|--------|--------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 16103083 | 206149 | 75.304 | .647 | 2739 | | | | | | | |
| Dry Bulb | 2523271 | 76357 | 27.912 | .002 | 2739 | 23.4 | 481.9 | | | | | 744 |
| Wet Bulb | 2124141 | 70363 | 25.700 | .753 | 2739 | 27.4 | 559.0 | | | | | 744 |
| Dew Point | 1560316 | 56402 | 20.602 | .070 | 2739 | 56.2 | 680.4 | | | | | 744 |

2

1

77, 78-82

YEARS

NCJ
MONITOR

PAGE 1 0300-0500
HOURS (L. S. T.)

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

YEAR:

77,79-25

NOV
MONTH

PAGE 7

9320-0500
HOURS (L. S. T.)

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 2015 FT EAINWRIGHT AAF AK 77-87

YEARS

MONTH

PAGE 2

1000-0800
HOURS (L.S.T.)

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|-------------|-------------------------------------|------|-----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 7-79 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 6 |
| 7-83 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 |
| 7-85 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 4 | 3 | 7 |
| 7-87 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | 1 | 5 |
| 7-89 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 7-43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 47.0 | 49.6 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 468 | 471 | 468 | |

| Element (X) | $\Sigma X'$ | ΣX | Σ | σ_s | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|------------|------------|----------|------------------------------------|------------|------------|------------|------------|------------|-------|
| Rel. Hum. | 2511589 | 34603 | 73.910.664 | | 468 | $\pm 0 F$ | $\pm 32 F$ | $\pm 67 F$ | $\pm 73 F$ | $\pm 80 F$ | $\pm 93 F$ | |
| Dry Bulb | 123087 | 2896 | 6.115.028 | | 471 | 31.1 | 86.4 | | | | | 90 |
| Wet Bulb | 109845 | 2675 | 5.714.229 | | 468 | 32.5 | 86.9 | | | | | 90 |
| Dew Point | 117239 | -111 | -0.215.843 | | 468 | 45.2 | 88.8 | | | | | 90 |

| Element (X) | Σx | Σx^2 | Σx^3 | Σx^4 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------|--------------|--------------|--------------|----------|------------------------------------|------------|------------|------------|------------|------------|-------|
| Rel. Hum. | 2511589 | 34603 | 73.910.664 | | 468 | $\pm 0 F$ | $\pm 32 F$ | $\pm 67 F$ | $\pm 73 F$ | $\pm 80 F$ | $\pm 93 F$ | |
| Dry Bulb | 123757 | 2896 | 6.115.728 | | 471 | 31.1 | 86.4 | | | | | 90 |
| Wet Bulb | 109845 | 2675 | 5.714.229 | | 468 | 32.5 | 86.9 | | | | | 90 |
| Dew Point | 117239 | -111 | -215.843 | | 468 | 45.2 | 88.8 | | | | | 90 |

GLOBAL CLIMATOLOGY BRANCH
GCEFTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 26 15 ... FT MAINWRIGHT AAF AK
STATION STATION NAME

77-82

YEARS

12 MONTH

PAGE 1 2000-1100
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|----|---|----|-----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---------------|--------------------|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. Wet Bulb | Wet Bulb Dew Point | |
| 47/33 | | | | | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 |
| 47/37 | | | | | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 |
| 47/35 | | | | | .6 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | |
| 37/33 | .6 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | |
| 37/31 | | 1.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | |
| 27/27 | .6 | .6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | |
| 27/27 | | 2.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | |
| 27/25 | | 1.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | |
| 27/23 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 27/21 | 1.3 | 1.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | |
| 27/19 | 2.3 | 4.0 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | |
| 17/17 | .4 | 5.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | |
| 17/15 | .6 | 5.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | |
| 17/13 | .2 | 5.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | |
| 17/11 | 2.0 | 3.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | |
| 17/9 | 1.1 | 5.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | |
| 7/7 | 1.1 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | |
| 7/5 | 1.1 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | |
| 7/3 | 1.1 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | |
| 7/1 | 1.3 | 4.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | |
| 7/-1 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | |
| -7/-3 | 3.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | |
| -7/-5 | 3.6 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | |
| -7/-7 | 3.8 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

17-5

YEARS

Nº _____
MONTA

DATE: 10-11-60
HOURS: 1:30

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

٧٧-٤٧

YEARS

MONTE

12-14-60
HOURS 1.5

[illegible]

PSYCHROMETRIC SUMMARY

77-8-

YEARS

USAFETAC
FORM
JUN 64
0.265 (OLA)
RE-SEC. PERSONS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY SEARCH
INSTITUT
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

7-2415 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-82

YEARS

30 MONTHS

PAGE 1 150-170
HOURS 11.5.71

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|----------------|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 41 | | | | .2 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 40 | | | | .4 | .4 | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 39 | | | .2 | .4 | | | | | | | | | | | | | | 4 | 6 | | | | | | | | | | | | | | | | |
| 38 | | | 1.7 | .2 | | | | | | | | | | | | | | 5 | 5 | 4 | | | | | | | | | | | | | | | |
| 37 | | .2 | .2 | .6 | | | | | | | | | | | | | | 5 | 8 | 14 | | | | | | | | | | | | | | | |
| 36 | | | 2.7 | .4 | | | | | | | | | | | | | | 15 | 15 | 4 | | | | | | | | | | | | | | | |
| 35 | | .4 | | | | | | | | | | | | | | | | 5 | 5 | 12 | 12 | | | | | | | | | | | | | | |
| 34 | | .6 | .6 | .4 | | | | | | | | | | | | | | 5 | 9 | 12 | 5 | | | | | | | | | | | | | | |
| 33 | | | 2.1 | | | | | | | | | | | | | | | 17 | 11 | | | | | | | | | | | | | | | | |
| 32 | | | 1.2 | .2 | | | | | | | | | | | | | | 18 | 10 | 1 | 4 | | | | | | | | | | | | | | |
| 31 | 1.1 | 1.3 | | | | | | | | | | | | | | | | 11 | 11 | 1 | 7 | | | | | | | | | | | | | | |
| 30 | 2.1 | 4.4 | | | | | | | | | | | | | | | | 22 | 33 | 12 | 22 | | | | | | | | | | | | | | |
| 29 | 1.3 | 4.1 | | | | | | | | | | | | | | | | 24 | 25 | 7 | 17 | | | | | | | | | | | | | | |
| 28 | .2 | 5.6 | .2 | | | | | | | | | | | | | | | 28 | 28 | 22 | 18 | | | | | | | | | | | | | | |
| 27 | 1.2 | 5.5 | | | | | | | | | | | | | | | | 36 | 35 | 26 | 2 | | | | | | | | | | | | | | |
| 26 | 4.1 | 3.6 | | | | | | | | | | | | | | | | 17 | 37 | 44 | 21 | | | | | | | | | | | | | | |
| 25 | 2.3 | 4.1 | | | | | | | | | | | | | | | | 16 | 3 | 16 | 12 | | | | | | | | | | | | | | |
| 24 | 1.5 | 4.2 | .2 | | | | | | | | | | | | | | | 22 | 28 | 27 | 34 | | | | | | | | | | | | | | |
| 23 | 1.1 | 2.7 | | | | | | | | | | | | | | | | 13 | 13 | 24 | 27 | | | | | | | | | | | | | | |
| 22 | 1.1 | 1.6 | | | | | | | | | | | | | | | | 14 | 14 | 1 | 19 | | | | | | | | | | | | | | |
| 21 | 2.7 | 3.6 | | | | | | | | | | | | | | | | 1 | 31 | 25 | 26 | | | | | | | | | | | | | | |
| 20 | 2.7 | .6 | | | | | | | | | | | | | | | | 15 | 16 | 19 | 2 | | | | | | | | | | | | | | |
| 19 | 3. | 1.3 | | | | | | | | | | | | | | | | 24 | 24 | 23 | 1 | | | | | | | | | | | | | | |
| 18 | 2.4 | .2 | | | | | | | | | | | | | | | | 17 | 17 | 2 | 22 | | | | | | | | | | | | | | |
| 17 | 2.7 | | | | | | | | | | | | | | | | | 13 | 13 | 14 | 15 | | | | | | | | | | | | | | |
| 16 | 1.3 | | | | | | | | | | | | | | | | | 6 | 6 | 2 | 21 | | | | | | | | | | | | | | |
| 15 | 1.7 | | | | | | | | | | | | | | | | | 2 | 2 | 6 | 14 | | | | | | | | | | | | | | |
| 14 | .4 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | | | | | | | | | | | | | | | |
| 13 | .6 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 16 | | | | | | | | | | | | | | |
| 12 | .1 | | | | | | | | | | | | | | | | | 4 | 4 | 1 | 12 | | | | | | | | | | | | | | |
| 11 | 1.1 | | | | | | | | | | | | | | | | | 5 | 5 | 3 | 15 | | | | | | | | | | | | | | |
| 10 | 1.1 | | | | | | | | | | | | | | | | | 4 | 5 | 5 | 5 | | | | | | | | | | | | | | |
| 9 | .2 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 7 | | | | | | | | | | | | | | |
| 8 | .6 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 | | | | | | | | | | | | | | |
| Element (X) | Z ₁ | Z ₂ | X | e ₁ | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

77-83

YEARS

NO
MONTH

PAGE 2 157J-17.0
HOURS (11:51:11)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| -1-27 | 0.3 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| -1-29 | 0.4 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| -1-31 | 0.2 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| -1-33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1-35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1-37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAL | 42.0 | 53.0 | 3.0 | 1.1 | | | | | | | | | | | | | | 474 | 474 | 474 | | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2736300 | 75.14 | 75.111 | .496 | 474 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 132213 | 4649 | 9.313 | .539 | 474 | 21.1 | 65.1 | | | | | 90 |
| Wet Bulb | 116824 | 4760 | 9.313 | .537 | 474 | 22.2 | 66.6 | | | | | 90 |
| Dew Point | 109310 | 1574 | 3.314 | .600 | 474 | 36.3 | 69.3 | | | | | 90 |

2

YEARS

PAGE 2 18 C-2000
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 7 7100-2300
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 7-33 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7-37 | | | | | | | | | | | | | | | | | | | | | 2 | | |
| TOTAL | 35.95 | 8.0 | 4.6 | 1.5 | | | | | | | | | | | | | | | 131 | 131 | 131 | | |
| | | | | | | | | | | | | | | | | | | | 131 | 131 | 131 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
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GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 27 15 STATION FT MAINWRIGHT AAF AK 77-80 YEARS NOV MONTH
PAGE 1 ALL HOURS (L. S. Y.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B./W.B. | TOTAL | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|----------|-----------|------|------|------|------|------|------|------|------|--------------------|-------|------|------|------|------|------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | |
| 7-27 | .5 | | | | | | | | | | | | | | | | | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | | |
| 7-29 | .5 | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 7-31 | .5 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 7-33 | .7 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| 7-35 | .3 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| 7-37 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 7-39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 41.25 | 4.3 | 3.9 | .7 | | | | | | | | | | | | | | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | 2624 | |
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USAFETAC FORM 0265 (OL A) 1-1-60 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

YEARS

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0300-0500
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| -7 / -39 | | | | | | | | | | | | | | | | | | | | 4 | | 6 | | | | | | | | | | |
| -41 / -41 | 1.1 | | | | | | | | | | | | | | | | | 1 | | 4 | 1 | | | | | | | | | | | |
| -27 / -43 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| -44 / -45 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| -4 / -49 | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
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| TOTAL | 65.5 | 29.3 | 2.2 | | | | | | | | | | | | | | | | | 115 | | 92 | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

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REVISED PREVIOUS EDITIONS OF THIS FILM ARE OBSOLETE

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GENERAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

720415 FT. HAINNIGHTI AFB AK 77-80 YEARS 1977-80
STATION MONTH

DATE 7 1980-08-01
HOURS 15.1

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | |
|--------------|-------------------------------------|----------------|-------------|---|----------|------------------------------------|--------|--------|--------|--------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-----|-----|--|--|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | |
| 1/-27 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 7 | | | | |
| 2/-29 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 6 | | | | |
| 3/-31 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 4 | | | | |
| 4/-33 | 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 16 | 16 | | | | |
| 5/-35 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 4 | | | | |
| 6/-37 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | |
| 7/-39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/-41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/-43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/-45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11/-47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/-49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13/-51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/-53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TotL | 64.427.9 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 405 | 405 | 405 | 405 | | | | |
| Element (X) | Z ₁ | Z ₂ | X | X | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 2114254 | 25884 | 71.311.592 | | 405 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 216173 | 5127 | -10.321.151 | | 405 | 67.6 | 91.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 113200 | -1276 | -3.416.325 | | 405 | 53.7 | 91.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 170450 | -4072 | -10.117.044 | | 405 | 63.1 | 93.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 026-5 (OL A) 8-5-60 PREVIOUS EDITIONS ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

77-62

YEARS

MON*

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[illegible]

USAFETA
FORM
026.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ADA 137574

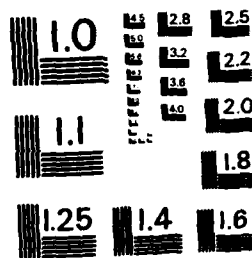
PORT WAINWRIGHT WAINWRIGHT AAF ALASKA LIMITED SURFACE
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USAFETAC 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702615 FT MAINWRIGHT AAF AK
STATION STATION NAME

77-82
YEARS

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|----------------|----------------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 40/ 39 | | | .3 | | | | | | | | | | | | | | | 1 | 1 | | |
| 36/ 35 | | | .3 | .3 | | | | | | | | | | | | | | 2 | 2 | 1 | |
| 32/ 31 | | .6 | | | | | | | | | | | | | | | | 2 | 2 | 2 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 2 | 1 |
| 28/ 27 | | .6 | | | | | | | | | | | | | | | | 2 | 2 | | |
| 26/ 25 | | .6 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| 24/ 23 | .9 | | | | | | | | | | | | | | | | | 3 | 3 | 5 | |
| 22/ 21 | .9 | 1.2 | | | | | | | | | | | | | | | | 7 | 7 | 7 | 5 |
| 20/ 19 | 2.3 | .9 | | | | | | | | | | | | | | | | 11 | 11 | 8 | 6 |
| 18/ 17 | .6 | 2.3 | | | | | | | | | | | | | | | | 10 | 10 | 7 | 6 |
| 16/ 15 | .6 | 1.7 | | | | | | | | | | | | | | | | 8 | 8 | 9 | 9 |
| 14/ 13 | 3.2 | 3.2 | | | | | | | | | | | | | | | | 22 | 22 | 16 | 5 |
| 12/ 11 | 3.2 | .6 | | | | | | | | | | | | | | | | 13 | 13 | 22 | 12 |
| 10/ 9 | .3 | 3.2 | | | | | | | | | | | | | | | | 12 | 12 | 5 | 18 |
| 8/ 7 | 1.7 | 3.2 | | | | | | | | | | | | | | | | 17 | 17 | 19 | 10 |
| 6/ 5 | 1.4 | | | | | | | | | | | | | | | | | 5 | 5 | 12 | 9 |
| 4/ 3 | 1.2 | 1.4 | | | | | | | | | | | | | | | | 9 | 9 | 9 | 11 |
| 2/ 1 | 2.6 | 3.8 | | | | | | | | | | | | | | | | 22 | 22 | 17 | 23 |
| 0/ -1 | 5.2 | .9 | | | | | | | | | | | | | | | | 21 | 21 | 23 | 2 |
| -2/ -3 | 4.6 | .3 | | | | | | | | | | | | | | | | 17 | 17 | 20 | 10 |
| -4/ -5 | 4.3 | 1.2 | | | | | | | | | | | | | | | | 19 | 19 | 15 | 22 |
| -6/ -7 | 4.9 | | | | | | | | | | | | | | | | | 17 | 17 | 21 | 11 |
| -8/ -9 | 5.2 | | | | | | | | | | | | | | | | | 18 | 18 | 18 | 15 |
| -10/-11 | 4.3 | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 18 |
| -12/-13 | .6 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| -14/-15 | 2.3 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 16 |
| -16/-17 | 2.3 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 12 |
| -18/-19 | 3.2 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 20 |
| -20/-21 | 2.3 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 12 |
| -22/-23 | 2.6 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 6 |
| -24/-25 | 1.7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 15 |
| -26/-27 | 1.4 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 3 |
| -28/-29 | 3.2 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 11 |
| -30/-31 | .6 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 |
| Element (X) | Σ ₁ | Σ ₂ | Σ ₃ | Σ ₄ | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 6 F | ≤ 22 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

7C2615 FT MAINWRIGHT AAF AK
STATION STATION NAME

77-82

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| -32/-33 | 3.8 | | | | | | | | | | | | | | | | | 13 | 13 | 13 | 1 | | | | |
| -34/-35 | 1.7 | | | | | | | | | | | | | | | | | 6 | 7 | 6 | 4 | | | | |
| -36/-37 | .3 | | | | | | | | | | | | | | | | | 1 | 15 | 1 | 14 | | | | |
| -38/-39 | | | | | | | | | | | | | | | | | | | 19 | | 16 | | | | |
| -40/-41 | .3 | | | | | | | | | | | | | | | | | 1 | 8 | 1 | 10 | | | | |
| -42/-43 | | | | | | | | | | | | | | | | | | | 6 | | 2 | | | | |
| -44/-45 | | | | | | | | | | | | | | | | | | | 6 | | 1 | | | | |
| -46/-47 | | | | | | | | | | | | | | | | | | | 2 | | 1 | | | | |
| -48/-49 | | | | | | | | | | | | | | | | | | | 5 | | | | | | |
| -50/-51 | | | | | | | | | | | | | | | | | | | 6 | | 1 | | | | |
| -52/-53 | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| -54/-55 | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| TOTAL | 73.7 | 25.4 | .6 | .3 | | | | | | | | | | | | | | 346 | 416 | 346 | 346 | | | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

782615 FT MAINWRIGHT AAF AK
STATION STATION NAME

78-82

YEARS

DFC
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | > 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 32/ 31 | | 1.1 | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 28/ 25 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 24/ 23 | | 2.2 | | | | | | | | | | | | | | | | 2 | 2 | 1 | | | | |
| 22/ 21 | 1.1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | | | | |
| 20/ 19 | 1.1 | 1.1 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | | | |
| 18/ 17 | | 2.2 | | | | | | | | | | | | | | | | 2 | 2 | | 2 | | | |
| 16/ 15 | 1.1 | | | | | | | | | | | | | | | | | 1 | 1 | 3 | 1 | | | |
| 14/ 13 | 2.2 | 1.1 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 1 | | | |
| 12/ 11 | 3.3 | 3.3 | | | | | | | | | | | | | | | | 6 | 6 | 4 | 2 | | | |
| 10/ 9 | 1.1 | 3.3 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 3 | | | |
| 8/ 7 | 1.1 | 3.3 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 2 | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | 1 | 2 | | | |
| 4/ 3 | 1.1 | 4.3 | | | | | | | | | | | | | | | | 5 | 5 | 5 | 4 | | | |
| 2/ 1 | 3.3 | 3.3 | | | | | | | | | | | | | | | | 6 | 6 | 5 | 6 | | | |
| 0/ -1 | 3.3 | 3.3 | | | | | | | | | | | | | | | | 6 | 6 | 4 | 2 | | | |
| -2/ -3 | 7.6 | | | | | | | | | | | | | | | | | 7 | 7 | 10 | 4 | | | |
| -4/ -5 | 2.2 | 1.1 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 6 | | | |
| -6/ -7 | 3.3 | 1.1 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 2 | | | |
| -8/ -9 | 8.7 | | | | | | | | | | | | | | | | | 8 | 8 | 9 | 4 | | | |
| -10/ -11 | 3.3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 5 | | | |
| -12/ -13 | 1.1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | | |
| -14/ -15 | 2.2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 | | | |
| -16/ -17 | 2.2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | | | |
| -18/ -19 | 6.5 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 4 | | | |
| -20/ -21 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| -22/ -23 | 1.1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | |
| -24/ -25 | 1.1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | |
| -26/ -27 | 2.2 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 4 | | | |
| -28/ -29 | 2.2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | | | |
| -30/ -31 | 1.1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | |
| -32/ -33 | 4.3 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | | | | |
| -34/ -35 | 2.2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | | | | |
| -36/ -37 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| Element (X) | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |
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FORM 0-26-5 (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

| | |
|---------------|-----------------------------|
| <u>712615</u> | <u>FT WAINWRIGHT AAF AK</u> |
| STATION | STATION NAME |

78-62

DEC
MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -39/-39 | | | | | | | | | | | | | | | | | | | 4 | | 4 |
| -41/-41 | | | | | | | | | | | | | | | | | | | 2 | | 3 |
| -43/-43 | | | | | | | | | | | | | | | | | | | 1 | | |
| -45/-45 | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| -51/-51 | | | | | | | | | | | | | | | | | | | 2 | | 1 |
| TOTAL | 69.6 | 30.4 | | | | | | | | | | | | | | | | | 92 | 102 | 92 |
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PSYCHROMETRIC SUMMARY

DE C

1992

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| -24/-25 | 3.1 | | | | | | | | | | | | | | | | | 68 | 68 | 68 | 61 | | | |
| -26/-27 | 2.1 | | | | | | | | | | | | | | | | | 86 | 86 | 86 | 81 | | | |
| -28/-29 | 2.2 | | | | | | | | | | | | | | | | | 48 | 48 | 48 | 55 | | | |
| -30/-31 | 1.4 | | | | | | | | | | | | | | | | | 31 | 31 | 31 | 30 | | | |
| -32/-33 | 3.2 | | | | | | | | | | | | | | | | | 70 | 72 | 70 | 51 | | | |
| -34/-35 | 1.8 | | | | | | | | | | | | | | | | | 80 | 68 | 80 | 48 | | | |
| -36/-37 | .2 | | | | | | | | | | | | | | | | | 4 | 118 | 4 | 1.7 | | | |
| -36/-39 | | | | | | | | | | | | | | | | | | | 89 | | 74 | | | |
| -40/-41 | .1 | | | | | | | | | | | | | | | | | 2 | 45 | 2 | 37 | | | |
| -42/-43 | | | | | | | | | | | | | | | | | | | 31 | | 12 | | | |
| -44/-45 | | | | | | | | | | | | | | | | | | | 45 | | 5 | | | |
| -46/-47 | | | | | | | | | | | | | | | | | | | 32 | | 1 | | | |
| -48/-49 | | | | | | | | | | | | | | | | | | | 28 | | 1 | | | |
| -50/-51 | | | | | | | | | | | | | | | | | | | 37 | | 1 | | | |
| -52/-53 | | | | | | | | | | | | | | | | | | | 17 | | | | | |
| -54/-55 | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| TOTAL | 70.128.1 | 1.1 | .6 | .1 | | | | | | | | | | | | | | 2165 | 2626 | 2165 | 2165 | | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7.26.15 FT WAINWRIGHT AAF AK
STATION STATION NAME

77-83

YEARS

ALL MONTH

PAGE 1

ALL HOURS (L. S. Y.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL
D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 94/ 93 | | | | | | | | | | | | | | .0 | | | | | 1 | 1 | | | | |
| 92/ 91 | | | | | | | | | | | | | | .0 | | | | | 2 | 2 | | | | |
| 90/ 89 | | | | | | | | | | | .0 | .0 | | | | | .0 | | 5 | 5 | | | | |
| 88/ 87 | | | | | | | | | | | .0 | .0 | .0 | .0 | .0 | .0 | | | 20 | 20 | | | | |
| 86/ 85 | | | | | | | | | | .0 | .0 | .0 | .0 | .0 | | | | | 29 | 29 | | | | |
| 84/ 83 | | | | | | | | .0 | .0 | .0 | .1 | .0 | .0 | | | | | | 51 | 51 | | | | |
| 82/ 81 | | | | | | | | .0 | .0 | .1 | .1 | .0 | .0 | | | | | | 96 | 96 | | | | |
| 80/ 79 | | | | | | | .0 | .0 | .1 | .2 | .1 | .0 | .0 | | | | | | 160 | 160 | | | | |
| 78/ 77 | | | | | .0 | | .1 | .1 | .2 | .2 | .1 | .0 | .0 | | | | | | 240 | 240 | | | | |
| 76/ 75 | | | | | .0 | .1 | .1 | .3 | .2 | .2 | .1 | .0 | .0 | | | | | | 339 | 339 | | | | |
| 74/ 73 | | | | .0 | .0 | .1 | .2 | .3 | .3 | .2 | .1 | .0 | | | | | | | 414 | 414 | | | | |
| 72/ 71 | | | | .0 | .0 | .2 | .4 | .3 | .3 | .1 | .1 | .0 | | | | | | | 488 | 490 | | | | |
| 70/ 69 | | | .0 | .0 | .2 | .3 | .4 | .4 | .3 | .2 | .1 | .0 | | | | | | | 623 | 626 | 4 | | | |
| 68/ 67 | | | .0 | .1 | .3 | .5 | .5 | .3 | .4 | .2 | .1 | .0 | | | | | | | 732 | 733 | 29 | | | |
| 66/ 65 | | .0 | .1 | .3 | .5 | .4 | .4 | .3 | .3 | .2 | .0 | | | | | | | | 825 | 828 | 137 | 3 | | |
| 64/ 63 | | .0 | .2 | .4 | .4 | .5 | .3 | .3 | .3 | .1 | .0 | | | | | | | | 832 | 834 | 321 | 10 | | |
| 62/ 61 | | .1 | .3 | .4 | .5 | .4 | .3 | .4 | .2 | .0 | | | | | | | | | 832 | 830 | 580 | 27 | | |
| 60/ 59 | .0 | .2 | .4 | .5 | .5 | .4 | .4 | .4 | .1 | .0 | | | | | | | | | 976 | 981 | 851 | 104 | | |
| 58/ 57 | .0 | .4 | .5 | .6 | .4 | .5 | .6 | .3 | .1 | | | | | | | | | | 1100 | 1103 | 1017 | 287 | | |
| 56/ 55 | .0 | .5 | .6 | .6 | .4 | .5 | .4 | .1 | .0 | | | | | | | | | | 1060 | 1063 | 1253 | 531 | | |
| 54/ 53 | .0 | .5 | .8 | .5 | .4 | .4 | .3 | .2 | .0 | | | | | | | | | | 1036 | 1038 | 1234 | 824 | | |
| 52/ 51 | .0 | .6 | .7 | .4 | .5 | .4 | .3 | .0 | .0 | | | | | | | | | | 912 | 914 | 1268 | 888 | | |
| 50/ 49 | .0 | .7 | .6 | .4 | .4 | .3 | .2 | .1 | | | | | | | | | | | 804 | 805 | 1376 | 1128 | | |
| 48/ 47 | .0 | .6 | .4 | .4 | .5 | .3 | .1 | .0 | | | | | | | | | | | 740 | 741 | 1442 | 1180 | | |
| 46/ 45 | .0 | .5 | .4 | .6 | .4 | .2 | .0 | .0 | | | | | | | | | | | 760 | 761 | 1205 | 1218 | | |
| 44/ 43 | .0 | .5 | .5 | .6 | .4 | .2 | .0 | | | | | | | | | | | | 701 | 701 | 901 | 1004 | | |
| 42/ 41 | .0 | .4 | .5 | .7 | .4 | .1 | | | | | | | | | | | | | 687 | 687 | 857 | 873 | | |
| 40/ 39 | .1 | .5 | .8 | .4 | .4 | .1 | | | | | | | | | | | | | 726 | 726 | 914 | 969 | | |
| 38/ 37 | .1 | .6 | .7 | .8 | .2 | .0 | | | | | | | | | | | | | 754 | 755 | 920 | 835 | | |
| 36/ 35 | .1 | .7 | .8 | .6 | .1 | | | | | | | | | | | | | | 746 | 746 | 932 | 979 | | |
| 34/ 33 | .1 | .8 | .6 | .5 | .1 | | | | | | | | | | | | | | 701 | 701 | 941 | 1023 | | |
| 32/ 31 | .3 | 1.3 | 1.0 | .9 | .1 | | | | | | | | | | | | | | 1070 | 1071 | 957 | 1701 | | |
| 30/ 29 | .2 | .8 | .9 | .2 | .0 | | | | | | | | | | | | | | 687 | 687 | 866 | 1014 | | |
| 28/ 27 | .1 | 1.1 | .6 | .2 | .0 | | | | | | | | | | | | | | 681 | 682 | 801 | 1000 | | |
| Element (X) | Σx² | | Σx | | Σ | | Σ² | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | |
| Ref. Num. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

77-83

YEARS

ALL
MONTH

PAGE 2

HOURS (L. S. T.)

[illegible]

2

1

ALL
MONTH

ALL

HOURS (L, S, T,)

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AA 44

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702615 FT WAINWRIGHT AAF AK

77-83

| STATION | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| HRS LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 03-05 | MEAN
-7.7 | MEAN
-4.0 | MEAN
8.2 | MEAN
23.8 | MEAN
41.5 | MEAN
50.7 | MEAN
54.1 | MEAN
48.8 | MEAN
38.8 | MEAN
24.0 | MEAN
5.8 | MEAN
-11.7 | MEAN
25.0 |
| | S D
23.930 | S D
23.536 | S D
14.705 | S D
11.836 | S D
6.417 | S D
4.815 | S D
4.027 | S D
6.652 | S D
6.396 | S D
11.558 | S D
15.492 | S D
24.520 | S D
26.375 |
| | TOTAL OBS
152 | TOTAL OBS
137 | TOTAL OBS
150 | TOTAL OBS
144 | TOTAL OBS
198 | TOTAL OBS
168 | TOTAL OBS
160 | TOTAL OBS
173 | TOTAL OBS
161 | TOTAL OBS
167 | TOTAL OBS
133 | TOTAL OBS
115 | TOTAL OBS
1858 |
| 06-08 | MEAN
-7.7 | MEAN
-4.8 | MEAN
7.4 | MEAN
26.5 | MEAN
47.5 | MEAN
55.1 | MEAN
58.4 | MEAN
52.8 | MEAN
40.3 | MEAN
23.8 | MEAN
6.1 | MEAN
-10.3 | MEAN
24.6 |
| | S D
23.133 | S D
23.956 | S D
14.392 | S D
12.793 | S D
7.320 | S D
5.922 | S D
5.353 | S D
7.211 | S D
6.595 | S D
11.759 | S D
15.028 | S D
23.970 | S D
28.395 |
| | TOTAL OBS
515 | TOTAL OBS
517 | TOTAL OBS
613 | TOTAL OBS
583 | TOTAL OBS
595 | TOTAL OBS
506 | TOTAL OBS
486 | TOTAL OBS
520 | TOTAL OBS
484 | TOTAL OBS
510 | TOTAL OBS
471 | TOTAL OBS
499 | TOTAL OBS
6299 |
| 09-11 | MEAN
-7.3 | MEAN
.0 | MEAN
16.2 | MEAN
35.9 | MEAN
55.5 | MEAN
61.5 | MEAN
65.3 | MEAN
60.9 | MEAN
47.1 | MEAN
27.7 | MEAN
8.0 | MEAN
-10.0 | MEAN
30.2 |
| | S D
22.848 | S D
22.017 | S D
13.318 | S D
11.889 | S D
7.572 | S D
7.496 | S D
7.198 | S D
8.431 | S D
7.838 | S D
11.667 | S D
14.242 | S D
23.621 | S D
30.117 |
| | TOTAL OBS
516 | TOTAL OBS
520 | TOTAL OBS
617 | TOTAL OBS
584 | TOTAL OBS
597 | TOTAL OBS
507 | TOTAL OBS
489 | TOTAL OBS
522 | TOTAL OBS
484 | TOTAL OBS
510 | TOTAL OBS
474 | TOTAL OBS
501 | TOTAL OBS
6321 |
| 12-14 | MEAN
-3.8 | MEAN
8.2 | MEAN
24.5 | MEAN
41.0 | MEAN
59.4 | MEAN
65.1 | MEAN
69.3 | MEAN
66.1 | MEAN
52.4 | MEAN
31.8 | MEAN
11.5 | MEAN
-8.4 | MEAN
35.0 |
| | S D
21.338 | S D
19.738 | S D
12.189 | S D
11.053 | S D
7.647 | S D
8.258 | S D
8.387 | S D
8.922 | S D
8.781 | S D
11.710 | S D
12.768 | S D
22.915 | S D
29.865 |
| | TOTAL OBS
516 | TOTAL OBS
521 | TOTAL OBS
616 | TOTAL OBS
585 | TOTAL OBS
593 | TOTAL OBS
506 | TOTAL OBS
488 | TOTAL OBS
522 | TOTAL OBS
483 | TOTAL OBS
510 | TOTAL OBS
474 | TOTAL OBS
499 | TOTAL OBS
6313 |
| 15-17 | MEAN
-4.6 | MEAN
8.1 | MEAN
24.9 | MEAN
41.3 | MEAN
59.5 | MEAN
65.7 | MEAN
69.3 | MEAN
67.1 | MEAN
52.8 | MEAN
30.7 | MEAN
9.8 | MEAN
-8.8 | MEAN
34.9 |
| | S D
21.501 | S D
19.798 | S D
11.744 | S D
10.598 | S D
7.689 | S D
8.022 | S D
8.203 | S D
8.943 | S D
9.098 | S D
11.606 | S D
13.538 | S D
23.471 | S D
30.258 |
| | TOTAL OBS
514 | TOTAL OBS
513 | TOTAL OBS
614 | TOTAL OBS
585 | TOTAL OBS
591 | TOTAL OBS
505 | TOTAL OBS
486 | TOTAL OBS
519 | TOTAL OBS
483 | TOTAL OBS
510 | TOTAL OBS
474 | TOTAL OBS
494 | TOTAL OBS
6288 |
| 18-20 | MEAN
-6.3 | MEAN
2.0 | MEAN
18.8 | MEAN
37.2 | MEAN
56.2 | MEAN
63.6 | MEAN
66.9 | MEAN
63.2 | MEAN
47.6 | MEAN
27.0 | MEAN
8.1 | MEAN
-9.4 | MEAN
32.0 |
| | S D
22.516 | S D
21.688 | S D
12.316 | S D
10.730 | S D
7.800 | S D
7.608 | S D
7.671 | S D
8.433 | S D
8.135 | S D
11.396 | S D
14.288 | S D
22.891 | S D
29.904 |
| | TOTAL OBS
508 | TOTAL OBS
504 | TOTAL OBS
604 | TOTAL OBS
574 | TOTAL OBS
592 | TOTAL OBS
504 | TOTAL OBS
486 | TOTAL OBS
518 | TOTAL OBS
483 | TOTAL OBS
510 | TOTAL OBS
472 | TOTAL OBS
416 | TOTAL OBS
6171 |
| 21-23 | MEAN
-7.2 | MEAN
-.9 | MEAN
15.4 | MEAN
30.1 | | | MEAN
64.0 | | MEAN
60.0 | MEAN
20.4 | MEAN
10.7 | MEAN
-7.5 | MEAN
8.0 |
| | S D
23.934 | S D
23.379 | S D
13.498 | S D
9.780 | | | | | S D
13.280 | S D
13.440 | S D
20.005 | | S D
21.961 |
| | TOTAL OBS
135 | TOTAL OBS
144 | TOTAL OBS
173 | TOTAL OBS
132 | | | TOTAL OBS
1 | | TOTAL OBS
1 | TOTAL OBS
22 | TOTAL OBS
131 | TOTAL OBS
102 | TOTAL OBS
881 |
| | MEAN | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | |
| ALL HOURS | MEAN
-6.1 | MEAN
2.2 | MEAN
17.8 | MEAN
35.6 | MEAN
54.7 | MEAN
61.5 | MEAN
65.1 | MEAN
61.2 | MEAN
47.5 | MEAN
27.9 | MEAN
8.7 | MEAN
-9.4 | MEAN
30.4 |
| | S D
22.426 | S D
22.128 | S D
14.470 | S D
12.801 | S D
9.298 | S D
8.688 | S D
8.706 | S D
10.189 | S D
9.429 | S D
12.002 | S D
14.154 | S D
23.296 | S D
29.850 |
| | TOTAL OBS
2856 | TOTAL OBS
2856 | TOTAL OBS
3387 | TOTAL OBS
3187 | TOTAL OBS
3166 | TOTAL OBS
2696 | TOTAL OBS
2596 | TOTAL OBS
2774 | TOTAL OBS
2579 | TOTAL OBS
2739 | TOTAL OBS
2629 | TOTAL OBS
2626 | TOTAL OBS
35091 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702615 FT MAINWRIGHT AAF AK

77-83

STATION

STATION NAME

YEARS

| HRS LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|----------------|--------|--------|-------|------|------|------|------|------|-------|-------|-------|--------|
| 03-05 | MEAN -2.2 | 1.2 | 6.8 | 21.5 | 37.2 | 47.2 | 51.2 | 46.6 | 37.1 | 22.6 | 5.1 | -4.7 | 25.3 |
| | S D 17.64 | 317.35 | 13.58 | 11.17 | 5.58 | 4.08 | 3.70 | 5.97 | 5.93 | 10.89 | 14.97 | 17.39 | 22.31 |
| | TOTAL OBS 129 | 119 | 150 | 144 | 197 | 167 | 160 | 173 | 161 | 167 | 133 | 92 | 1792 |
| 06-08 | MEAN -2.6 | .6 | 6.2 | 23.7 | 40.9 | 49.7 | 53.8 | 49.1 | 38.1 | 22.5 | 5.7 | -3.4 | 24.6 |
| | S D 16.88 | 918.08 | 113.33 | 11.59 | 5.57 | 4.21 | 3.68 | 5.74 | 5.96 | 11.08 | 14.22 | 16.74 | 23.53 |
| | TOTAL OBS 440 | 440 | 613 | 581 | 594 | 501 | 486 | 519 | 484 | 510 | 468 | 405 | 6041 |
| 09-11 | MEAN -2.5 | 3.2 | 14.1 | 30.6 | 45.3 | 52.7 | 57.3 | 53.7 | 42.6 | 25.6 | 7.4 | -3.2 | 28.3 |
| | S D 16.84 | 517.44 | 211.95 | 9.67 | 5.41 | 4.65 | 4.21 | 5.38 | 6.22 | 10.44 | 13.48 | 21.52 | 23.98 |
| | TOTAL OBS 446 | 463 | 616 | 584 | 596 | 501 | 486 | 519 | 484 | 510 | 472 | 407 | 6084 |
| 12-14 | MEAN .0 | 7.8 | 21.0 | 34.2 | 46.9 | 53.9 | 58.8 | 56.0 | 45.4 | 28.7 | 10.5 | -2.4 | 30.9 |
| | S D 16.17 | 517.59 | 10.35 | 8.26 | 4.95 | 4.52 | 4.52 | 5.15 | 6.29 | 10.03 | 12.22 | 16.80 | 23.32 |
| | TOTAL OBS 461 | 501 | 614 | 585 | 593 | 500 | 486 | 519 | 483 | 510 | 474 | 416 | 6142 |
| 15-17 | MEAN -1.0 | 7.9 | 21.4 | 34.2 | 47.0 | 53.9 | 58.7 | 56.2 | 45.6 | 27.9 | 9.0 | -2.3 | 30.8 |
| | S D 16.89 | 018.00 | 310.95 | 7.96 | 4.92 | 4.20 | 4.33 | 5.15 | 6.52 | 10.08 | 13.03 | 17.11 | 23.51 |
| | TOTAL OBS 462 | 495 | 614 | 585 | 591 | 503 | 486 | 519 | 483 | 510 | 474 | 407 | 6129 |
| 18-20 | MEAN -1.9 | 4.0 | 16.1 | 31.4 | 45.3 | 53.1 | 57.7 | 54.6 | 42.8 | 25.1 | 7.3 | -3.2 | 29.1 |
| | S D 16.89 | 018.00 | 310.95 | 8.48 | 5.19 | 4.14 | 4.46 | 5.32 | 6.59 | 10.44 | 13.79 | 16.11 | 23.72 |
| | TOTAL OBS 445 | 466 | 604 | 574 | 592 | 502 | 486 | 518 | 483 | 510 | 472 | 346 | 5994 |
| 21-23 | MEAN -2.3 | 3.7 | 13.1 | 26.0 | | | 54.0 | | 52.0 | 19.1 | 9.8 | -4.1 | 9.2 |
| | S D 17.84 | 218.21 | 12.13 | 8.59 | | | | | | 12.11 | 12.94 | 11.40 | 17.34 |
| | TOTAL OBS 117 | 125 | 173 | 132 | | | 1 | | 1 | 22 | 131 | 92 | 794 |
| | MEAN | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | |
| ALL HOURS | MEAN -1.6 | 4.6 | 15.2 | 30.2 | 44.6 | 52.3 | 56.9 | 53.5 | 42.5 | 25.7 | 7.9 | -3.0 | 28.1 |
| | S D 16.73 | 317.88 | 12.82 | 11.07 | 5.98 | 4.77 | 4.79 | 6.19 | 6.97 | 10.75 | 13.52 | 16.63 | 23.71 |
| | TOTAL OBS 2500 | 2609 | 3384 | 3105 | 3163 | 2674 | 2591 | 2767 | 2579 | 2739 | 2624 | 2165 | 32980 |



USAFETAC FORM JUL 84 0 89 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702615 FT MAINWRIGHT AAF AK
STATION STATION NAME

77-83
YEARS

| HRS LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
|-----------|-----------|--------------------------|-------|-------|-------|-------|-------------------------|-------------------------|--------|--------------------|--------|-------|--------|-------|
| 03-05 | MEAN | -9.6 | -5.9 | -1.9 | 14.6 | 31.1 | 43.6 | 48.7 | 44.5 | 34.5 | 18.4 | -9 | -11.1 | 20.2 |
| | S D | 20.63319.43715.45713.433 | 6.779 | 5.238 | 4.536 | 6.149 | 6.66412.59016.50121.260 | 24.449 | | | | | | |
| | TOTAL OBS | 129 | 119 | 150 | 144 | 197 | 167 | 160 | 173 | 161 | 167 | 133 | 92 | 1792 |
| 06-08 | MEAN | -9.9 | -6.4 | -1.7 | 16.3 | 32.4 | 44.5 | 50.1 | 45.9 | 35.1 | 18.2 | -2 | -10.1 | 18.7 |
| | S D | 20.06420.17114.82813.338 | 6.912 | 5.612 | 4.406 | 5.870 | 6.59212.88015.84420.540 | 25.049 | | | | | | |
| | TOTAL OBS | 440 | 440 | 613 | 581 | 594 | 501 | 486 | 519 | 484 | 510 | 468 | 405 | 6041 |
| 09-11 | MEAN | -10.3 | -4.3 | 5.5 | 21.1 | 33.4 | 44.9 | 51.2 | 48.0 | 37.4 | 20.3 | 1.4 | -10.1 | 20.8 |
| | S D | 20.43418.55913.26010.685 | 7.593 | 6.468 | 5.116 | 5.373 | 6.70112.41415.23520.484 | 24.557 | | | | | | |
| | TOTAL OBS | 446 | 463 | 616 | 584 | 596 | 501 | 486 | 519 | 484 | 510 | 472 | 407 | 6084 |
| 12-14 | MEAN | -7.4 | .1 | 11.7 | 23.2 | 32.8 | 44.0 | 51.0 | 47.8 | 38.0 | 22.6 | 4.5 | -9.1 | 22.2 |
| | S D | 18.75418.27911.102 | 9.130 | 6.990 | 6.487 | 5.699 | 5.769 | 6.72210.94113.90120.572 | 23.072 | | | | | |
| | TOTAL OBS | 461 | 501 | 614 | 585 | 593 | 500 | 486 | 519 | 483 | 510 | 474 | 416 | 6142 |
| 15-17 | MEAN | -8.3 | .1 | 11.7 | 22.8 | 32.7 | 43.5 | 50.7 | 47.4 | 37.8 | 22.3 | 3.4 | -8.9 | 22.0 |
| | S D | 19.58018.22310.964 | 9.031 | 7.029 | 6.410 | 5.574 | 6.089 | 7.03511.16714.86020.666 | 23.147 | | | | | |
| | TOTAL OBS | 462 | 495 | 614 | 585 | 591 | 503 | 486 | 519 | 483 | 510 | 474 | 407 | 6129 |
| 18-20 | MEAN | -9.4 | -3.3 | 6.9 | 20.8 | 32.4 | 43.7 | 50.6 | 47.6 | 37.3 | 20.5 | 1.7 | -9.7 | 21.1 |
| | S D | 20.55919.24812.513 | 9.967 | 7.244 | 6.201 | 5.827 | 5.990 | 7.28812.00115.49820.152 | 23.941 | | | | | |
| | TOTAL OBS | 445 | 466 | 604 | 574 | 592 | 502 | 486 | 518 | 483 | 510 | 472 | 344 | 5998 |
| 21-23 | MEAN | -10.4 | -3.7 | 3.7 | 16.4 | | 46.0 | | 45.0 | 14.6 | 4.3 | -11.2 | 1.3 | |
| | S D | 21.54219.96113.93611.016 | | | | | | | | 13.48914.69320.522 | 18.470 | | | |
| | TOTAL OBS | 117 | 125 | 173 | 132 | | | 1 | | 1 | 22 | 131 | 92 | 794 |
| | MEAN | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | |
| ALL HOURS | MEAN | -9.1 | -2.8 | 6.3 | 20.4 | 32.6 | 44.1 | 50.6 | 47.2 | 37.0 | 20.6 | 2.1 | -9.7 | 20.5 |
| | S D | 19.97418.93613.75511.061 | 7.150 | 6.201 | 5.335 | 5.925 | 6.95112.07015.22320.500 | 24.088 | | | | | | |
| | TOTAL OBS | 2500 | 2609 | 3384 | 3185 | 3163 | 2674 | 2591 | 2767 | 2579 | 2739 | 2624 | 2165 | 32980 |

RELATIVE HUMIDITY

JAN
MONTH

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 99.2 | 99.2 | 93.0 | 77.5 | 45.0 | 14.0 | .8 | 68.2 | 129 |
| | 06-08 | 100.0 | 100.0 | 99.3 | 99.1 | 94.3 | 75.0 | 48.0 | 11.1 | 1.8 | 68.3 | 440 |
| | 09-11 | 100.0 | 99.8 | 98.9 | 98.2 | 91.5 | 71.3 | 42.8 | 10.3 | 1.3 | 67.1 | 446 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.1 | 93.9 | 72.7 | 42.1 | 15.6 | 2.8 | 68.3 | 461 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.6 | 92.2 | 72.7 | 45.9 | 16.7 | 1.3 | 68.5 | 462 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.1 | 90.3 | 70.1 | 44.9 | 15.1 | 2.5 | 68.0 | 445 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.3 | 88.0 | 64.1 | 37.6 | 11.1 | .9 | 65.8 | 117 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.6 | 98.9 | 91.9 | 71.9 | 43.8 | 13.4 | 1.6 | 67.7 | 2500 |

RELATIVE HUMIDITY

FEB

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 93.3 | 73.9 | 48.7 | 16.0 | 3.4 | 69.1 | 119 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.5 | 94.3 | 77.0 | 47.3 | 15.7 | 3.4 | 69.3 | 440 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 98.5 | 90.5 | 73.0 | 41.7 | 13.8 | 3.2 | 67.9 | 463 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 96.6 | 88.2 | 72.7 | 41.1 | 12.4 | 3.0 | 66.9 | 501 |
| | 15-17 | 100.0 | 100.0 | 99.6 | 96.6 | 90.5 | 68.1 | 39.2 | 10.3 | 3.2 | 66.2 | 495 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 98.7 | 91.6 | 75.1 | 42.3 | 10.5 | 4.1 | 67.9 | 466 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.4 | 93.6 | 70.4 | 40.0 | 13.6 | 4.8 | 67.6 | 125 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 98.3 | 91.7 | 72.9 | 42.9 | 13.2 | 3.6 | 67.8 | 2609 |

RELATIVE HUMIDITY

MAR
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 99.3 | 94.7 | 84.0 | 57.3 | 32.7 | 14.0 | .7 | 64.1 | 150 |
| | 06-08 | 100.0 | 100.0 | 99.8 | 95.4 | 85.6 | 65.6 | 44.5 | 17.3 | 2.3 | 66.8 | 613 |
| | 09-11 | 100.0 | 100.0 | 99.8 | 95.6 | 79.1 | 55.5 | 31.0 | 13.5 | 1.8 | 63.5 | 616 |
| | 12-14 | 100.0 | 100.0 | 98.0 | 90.4 | 71.7 | 45.3 | 23.3 | 7.8 | 2.0 | 59.5 | 614 |
| | 15-17 | 100.0 | 99.8 | 97.1 | 89.9 | 69.5 | 45.1 | 23.0 | 7.2 | 1.0 | 58.8 | 614 |
| | 18-20 | 100.0 | 100.0 | 98.3 | 91.7 | 75.5 | 48.7 | 27.3 | 9.4 | 2.3 | 61.0 | 604 |
| | 21-23 | 100.0 | 100.0 | 99.4 | 91.9 | 74.0 | 48.0 | 25.4 | 9.2 | 2.3 | 60.8 | 173 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.8 | 92.8 | 77.1 | 52.2 | 29.6 | 11.2 | 1.8 | 62.1 | 3384 |

RELATIVE HUMIDITY

APR
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 97.2 | 86.1 | 73.6 | 48.6 | 21.5 | 3.5 | 68.5 | 144 |
| | 06-08 | 100.0 | 100.0 | 99.8 | 98.5 | 85.4 | 63.3 | 35.3 | 17.4 | 5.0 | 66.1 | 581 |
| | 09-11 | 100.0 | 100.0 | 98.6 | 86.3 | 59.4 | 36.8 | 19.5 | 8.9 | 2.6 | 56.7 | 584 |
| | 12-14 | 100.0 | 99.7 | 92.6 | 72.6 | 48.4 | 26.0 | 12.0 | 5.0 | 2.2 | 51.5 | 585 |
| | 15-17 | 100.0 | 99.8 | 93.7 | 72.5 | 42.9 | 22.1 | 8.9 | 3.1 | 1.2 | 49.8 | 585 |
| | 18-20 | 100.0 | 100.0 | 96.2 | 80.3 | 54.7 | 28.4 | 12.0 | 4.4 | 1.6 | 53.3 | 574 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 87.1 | 70.5 | 46.2 | 16.7 | 4.5 | 1.5 | 57.8 | 132 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 97.3 | 84.9 | 63.9 | 42.3 | 21.9 | 9.3 | 2.5 | 57.7 | 3185 |

RELATIVE HUMIDITY

MAY
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 98.5 | 90.9 | 72.6 | 38.1 | 17.8 | 3.0 | 67.5 | 197 |
| | 06-08 | 100.0 | 100.0 | 98.1 | 86.5 | 65.2 | 37.2 | 18.9 | 9.4 | 2.5 | 57.8 | 594 |
| | 09-11 | 100.0 | 99.5 | 84.9 | 55.0 | 29.5 | 15.3 | 8.1 | 2.9 | .3 | 45.3 | 596 |
| | 12-14 | 100.0 | 97.0 | 67.5 | 35.1 | 15.9 | 7.9 | 3.4 | 1.7 | | 38.7 | 593 |
| | 15-17 | 100.0 | 96.6 | 65.8 | 37.4 | 16.4 | 7.6 | 3.4 | 1.2 | .3 | 38.6 | 591 |
| | 18-20 | 100.0 | 98.6 | 78.7 | 48.3 | 22.6 | 12.0 | 6.9 | 3.4 | 1.2 | 42.8 | 592 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 98.6 | 82.5 | 60.1 | 40.1 | 25.4 | 13.1 | 6.1 | 1.2 | 48.5 | 3163 |

RELATIVE HUMIDITY

JUN
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 94.6 | 89.2 | 74.9 | 42.5 | 18.0 | 77.7 | 167 |
| | 06-08 | 100.0 | 100.0 | 99.6 | 94.0 | 85.2 | 69.1 | 50.5 | 26.1 | 9.8 | 69.4 | 501 |
| | 09-11 | 100.0 | 100.0 | 94.8 | 77.6 | 57.1 | 40.7 | 26.9 | 14.2 | 5.0 | 57.4 | 501 |
| | 12-14 | 100.0 | 98.6 | 85.6 | 61.4 | 43.8 | 27.4 | 15.6 | 7.8 | 2.6 | 49.9 | 500 |
| | 15-17 | 100.0 | 97.4 | 82.1 | 59.4 | 42.1 | 22.1 | 12.3 | 6.8 | .6 | 47.9 | 503 |
| | 18-20 | 100.0 | 98.6 | 87.8 | 66.5 | 48.4 | 30.3 | 14.7 | 7.6 | .8 | 51.4 | 502 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.1 | 91.7 | 76.5 | 61.9 | 46.5 | 32.5 | 17.5 | 6.1 | 59.0 | 2674 |

RELATIVE HUMIDITY

PERIOD

JUL
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 95.0 | 87.5 | 60.6 | 25.0 | 82.4 | 160 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.8 | 93.2 | 81.3 | 66.9 | 40.1 | 10.9 | 75.1 | 486 |
| | 09-11 | 100.0 | 100.0 | 98.6 | 89.7 | 72.6 | 54.3 | 34.2 | 16.0 | 2.5 | 62.7 | 486 |
| | 12-14 | 100.0 | 100.0 | 92.6 | 74.3 | 59.3 | 37.2 | 21.4 | 9.1 | 3.5 | 55.3 | 486 |
| | 15-17 | 100.0 | 99.6 | 92.2 | 75.5 | 54.7 | 32.3 | 20.0 | 11.1 | 3.1 | 54.6 | 486 |
| | 18-20 | 100.0 | 99.6 | 95.9 | 82.7 | 64.4 | 43.4 | 27.8 | 11.7 | 3.5 | 58.6 | 486 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | 52.0 | 1 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 97.0 | 88.7 | 77.7 | 49.1 | 36.8 | 21.2 | 6.9 | 63.0 | 2591 |

RELATIVE HUMIDITY

AUG
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 91.9 | 72.3 | 38.2 | 85.5 | 173 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 96.5 | 86.5 | 74.0 | 48.7 | 21.8 | 78.3 | 519 |
| | 09-11 | 100.0 | 100.0 | 99.6 | 94.0 | 76.3 | 56.6 | 37.0 | 20.0 | 7.3 | 64.8 | 519 |
| | 12-14 | 100.0 | 99.6 | 96.3 | 74.6 | 52.6 | 33.3 | 20.2 | 9.1 | 2.5 | 54.4 | 519 |
| | 15-17 | 100.0 | 99.6 | 93.1 | 68.8 | 47.2 | 27.7 | 17.5 | 7.9 | 1.9 | 51.9 | 519 |
| | 18-20 | 100.0 | 100.0 | 98.8 | 84.4 | 65.3 | 45.0 | 26.1 | 12.4 | 5.2 | 59.4 | 518 |
| | 21-23 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 98.0 | 87.0 | 73.0 | 57.9 | 44.5 | 28.4 | 12.8 | 65.7 | 2767 |

RELATIVE HUMIDITY

SEP
MON

| MONTH | HOURS
(LST.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|-----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.3 | 87.0 | 70.8 | 41.0 | 85.1 | 161 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 95.2 | 82.9 | 62.2 | 31.8 | 82.6 | 484 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 97.5 | 88.6 | 73.3 | 52.5 | 29.5 | 10.1 | 70.6 | 484 |
| | 12-14 | 100.0 | 100.0 | 98.6 | 87.0 | 71.2 | 46.4 | 29.8 | 11.6 | 1.9 | 60.1 | 483 |
| | 15-17 | 100.0 | 100.0 | 97.3 | 85.9 | 65.8 | 44.7 | 27.7 | 9.5 | 1.7 | 59.0 | 483 |
| | 18-20 | 100.0 | 100.0 | 99.8 | 96.9 | 87.4 | 68.5 | 47.8 | 26.7 | 7.7 | 69.2 | 483 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | 57.0 | 1 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.4 | 95.3 | 87.5 | 60.6 | 46.8 | 30.0 | 13.5 | 69.1 | 2579 |

RELATIVE HUMIDITY

PERIOD

OCT
MONTH

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 98.2 | 96.4 | 90.4 | 76.6 | 59.3 | 24.0 | 79.8 | 167 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.2 | 97.3 | 91.4 | 77.3 | 56.3 | 23.5 | 79.6 | 510 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 98.2 | 94.5 | 80.8 | 64.1 | 41.8 | 13.9 | 74.7 | 510 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 97.6 | 87.6 | 70.8 | 51.6 | 33.3 | 8.6 | 70.5 | 510 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.0 | 90.0 | 73.3 | 55.7 | 36.9 | 13.3 | 72.3 | 510 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 98.6 | 95.5 | 85.1 | 71.2 | 50.8 | 18.8 | 77.5 | 510 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 95.5 | 90.9 | 86.4 | 86.4 | 50.0 | 22.7 | 79.7 | 22 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 97.9 | 93.2 | 82.6 | 69.0 | 46.9 | 17.8 | 76.3 | 2739 |

USAFETAC FORM 0-87.5 (OL A)

RELATIVE HUMIDITY

77-82

NOV
MONTH

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.2 | 96.2 | 88.7 | 67.7 | 23.3 | 5.3 | 73.6 | 133 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 89.1 | 63.7 | 26.9 | 7.1 | 73.9 | 468 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 96.6 | 87.5 | 64.0 | 28.0 | 6.4 | 73.6 | 472 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.8 | 96.4 | 85.9 | 61.6 | 26.2 | 4.0 | 73.4 | 474 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.6 | 96.6 | 89.0 | 67.3 | 33.3 | 9.1 | 75.1 | 474 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.6 | 96.0 | 86.7 | 70.1 | 33.3 | 8.5 | 75.2 | 472 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 96.9 | 88.5 | 67.9 | 32.8 | 9.2 | 75.3 | 131 |
| | . | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.7 | 96.5 | 87.9 | 66.0 | 29.1 | 7.1 | 74.3 | 2624 |

RELATIVE HUMIDITY

DEC
MONTH

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 98.9 | 94.6 | 87.0 | 59.8 | 18.5 | 7.6 | 72.0 | 92 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.0 | 94.8 | 82.5 | 55.3 | 19.0 | 5.4 | 71.3 | 405 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 98.5 | 93.4 | 79.4 | 56.3 | 20.9 | 4.9 | 70.8 | 407 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 98.8 | 95.0 | 81.5 | 51.9 | 23.3 | 4.1 | 71.1 | 416 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.3 | 95.6 | 84.3 | 57.5 | 27.0 | 4.7 | 71.9 | 407 |
| | 18-20 | 100.0 | 99.7 | 99.4 | 98.8 | 96.0 | 85.0 | 58.7 | 26.3 | 6.4 | 72.3 | 346 |
| | 21-23 | 100.0 | 98.9 | 98.9 | 95.7 | 95.7 | 82.6 | 55.4 | 18.5 | 2.2 | 70.1 | 92 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 99.8 | 98.4 | 95.0 | 83.2 | 56.4 | 21.9 | 5.0 | 71.4 | 2165 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

702615
STATION

FT WAINWRIGHT AAF AK
STATION NAME

77-83
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 99.6 | 98.9 | 91.9 | 71.9 | 43.8 | 13.4 | 1.6 | 67.7 | 2500 |
| FEB | | 100.0 | 100.0 | 99.9 | 98.3 | 91.7 | 72.9 | 42.9 | 13.2 | 3.6 | 67.8 | 2609 |
| MAR | | 100.0 | 100.0 | 98.8 | 92.8 | 77.1 | 52.2 | 29.6 | 11.2 | 1.8 | 62.1 | 3384 |
| APR | | 100.0 | 99.9 | 97.3 | 84.9 | 63.9 | 42.3 | 21.9 | 9.3 | 2.5 | 57.7 | 3185 |
| MAY | | 100.0 | 98.6 | 82.5 | 60.1 | 40.1 | 25.4 | 13.1 | 6.1 | 1.2 | 48.5 | 3163 |
| JUN | | 100.0 | 99.1 | 91.7 | 76.5 | 61.9 | 46.5 | 32.5 | 17.5 | 6.1 | 59.0 | 2674 |
| JUL | | 100.0 | 99.9 | 97.0 | 88.7 | 77.7 | 49.1 | 36.8 | 21.2 | 6.9 | 63.0 | 2591 |
| AUG | | 100.0 | 99.9 | 98.0 | 87.0 | 73.0 | 57.9 | 44.5 | 28.4 | 12.8 | 65.7 | 2767 |
| SEP | | 100.0 | 100.0 | 99.4 | 95.3 | 87.5 | 60.6 | 46.8 | 30.0 | 13.5 | 69.1 | 2579 |
| OCT | | 100.0 | 100.0 | 100.0 | 97.9 | 93.2 | 82.6 | 69.0 | 46.9 | 17.8 | 76.3 | 2739 |
| NOV | | 100.0 | 100.0 | 100.0 | 99.7 | 96.5 | 87.9 | 66.0 | 29.1 | 7.1 | 74.3 | 2624 |
| DEC | | 100.0 | 99.8 | 99.8 | 98.4 | 95.0 | 83.2 | 56.4 | 21.9 | 5.0 | 71.4 | 2165 |
| TOTALS | | 100.0 | 99.8 | 97.0 | 89.9 | 79.1 | 61.0 | 41.9 | 20.7 | 6.7 | 65.2 | 32980 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

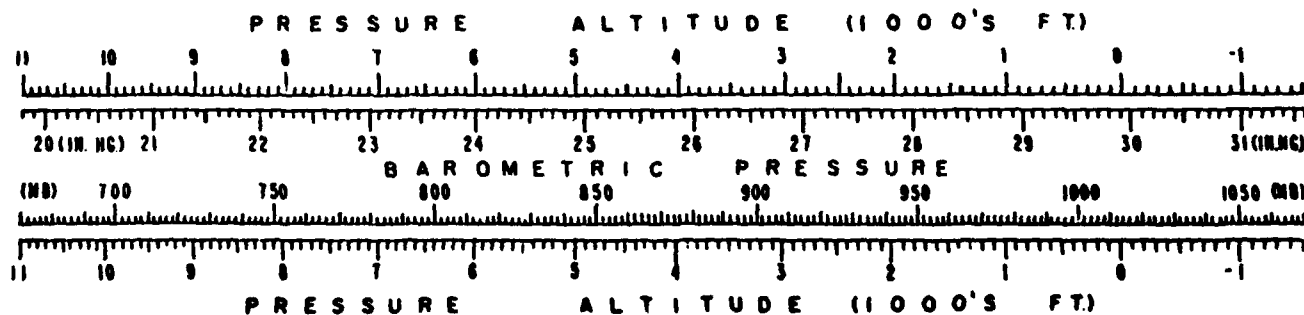
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

702615 FT MAINWRIGHT AAF AK

77-83

STATION

STATION NAME

YEARS

| MRS L S | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------------------------|--|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 02 | MEAN
S D
TOTAL OBS | | | | | | | | | | | | |
| 05 | MEAN
S D
TOTAL OBS | 29.36229.37029.29029.30929.33229.37629.40829.40129.27929.17029.21629.426 | 29.328 | | | | | | | | | | |
| 08 | MEAN
S D
TOTAL OBS | 29.36029.36129.30329.32629.33129.37929.41129.40429.28729.16729.25829.379 | 29.330 | | | | | | | | | | |
| 11 | MEAN
S D
TOTAL OBS | 29.37229.36729.30229.31429.31429.36429.39629.39729.28129.17229.26429.388 | 29.327 | | | | | | | | | | |
| 14 | MEAN
S D
TOTAL OBS | 29.36629.35229.28329.29229.29129.34529.37429.37329.26129.16229.25429.384 | 29.311 | | | | | | | | | | |
| 17 | MEAN
S D
TOTAL OBS | 29.36529.34829.27629.28029.27829.32729.36129.35829.24829.15929.24929.390 | 29.302 | | | | | | | | | | |
| 20 | MEAN
S D
TOTAL OBS | 29.36129.36229.28529.28729.29729.33129.36529.35929.25529.16429.25029.385 | 29.306 | | | | | | | | | | |
| 23 | MEAN
S D
TOTAL OBS | | | | | | | | | | | | |
| ALL HOURS | MEAN
S D
TOTAL OBS | 29.36429.36029.29029.30129.30729.35429.38629.38229.26929.16629.25029.390 | 29.317 | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

702615 FT WAINWRIGHT AAF AK

77-83

STATION

STATION NAME

YEARS

| HRS LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 02 | MEAN
S D
TOTAL OBS | | | | | | | | | | | | |
| 05 | MEAN
S D
TOTAL OBS | 1013.21013.21009.91009.81010.01011.21012.21012.01008.21005.11007.41015.4 | | | | | | | | | | | 1010.5 |
| 08 | MEAN
S D
TOTAL OBS | 15.88215.498 8.51810.547 7.855 6.297 5.281 7.347 8.06210.89612.08518.369 | | | | | | | | | | | 11.174 |
| 11 | MEAN
S D
TOTAL OBS | 147 137 149 144 196 168 159 173 161 167 129 111 | | | | | | | | | | | 1891 |
| 14 | MEAN
S D
TOTAL OBS | 1013.21014.41010.51010.41009.91011.31012.21012.21008.61005.11009.01013.7 | | | | | | | | | | | 1010.8 |
| 17 | MEAN
S D
TOTAL OBS | 16.15815.214 8.63510.334 7.819 6.243 5.391 7.374 8.10411.06414.30117.122 | | | | | | | | | | | 11.451 |
| 20 | MEAN
S D
TOTAL OBS | 167 155 177 193 198 168 161 173 161 170 155 163 | | | | | | | | | | | 2091 |
| 23 | MEAN
S D
TOTAL OBS | 1013.91014.61010.51010.01009.31010.71011.81012.01008.31005.21009.01013.1 | | | | | | | | | | | 1010.6 |
| | MEAN
S D
TOTAL OBS | 16.37615.149 8.65610.337 7.697 6.250 5.358 7.345 8.06910.95114.23417.350 | | | | | | | | | | | 11.349 |
| | MEAN
S D
TOTAL OBS | 153 154 178 193 199 168 161 172 161 170 154 193 | | | | | | | | | | | 2006 |
| | MEAN
S D
TOTAL OBS | 1013.51014.11009.71009.21008.61010.11011.01011.11007.61004.91008.61012.7 | | | | | | | | | | | 1010.0 |
| | MEAN
S D
TOTAL OBS | 16.38015.067 8.67910.315 7.532 6.191 5.296 7.278 8.07310.87514.35817.154 | | | | | | | | | | | 11.303 |
| | MEAN
S D
TOTAL OBS | 154 154 178 193 197 167 161 172 161 170 154 190 | | | | | | | | | | | 2001 |
| | MEAN
S D
TOTAL OBS | 1013.21014.01009.51008.81008.21009.51010.51010.51007.21004.81008.71014.3 | | | | | | | | | | | 1009.9 |
| | MEAN
S D
TOTAL OBS | 15.65915.017 8.64410.228 7.399 6.212 5.098 7.227 8.14010.78914.42916.877 | | | | | | | | | | | 11.342 |
| | MEAN
S D
TOTAL OBS | 171 153 178 193 197 168 162 173 161 170 158 163 | | | | | | | | | | | 2097 |
| | MEAN
S D
TOTAL OBS | 1013.11014.51009.91009.01008.61009.61010.71010.61007.51005.01008.71014.1 | | | | | | | | | | | 1010.0 |
| | MEAN
S D
TOTAL OBS | 15.67015.106 8.71110.335 7.417 6.084 5.076 7.194 8.22810.76014.55717.443 | | | | | | | | | | | 11.263 |
| | MEAN
S D
TOTAL OBS | 168 150 173 188 198 168 162 173 161 170 157 127 | | | | | | | | | | | 1995 |
| | MEAN
S D
TOTAL OBS | | | | | | | | | | | | |
| ALL HOURS | MEAN
S D
TOTAL OBS | 1013.41014.21010.01009.51009.11010.41011.41011.41007.91005.01008.61013.8 | | | | | | | | | | | 1010.3 |
| | MEAN
S D
TOTAL OBS | 15.97515.139 8.63210.334 7.638 6.237 5.283 7.310 8.10710.86414.14517.303 | | | | | | | | | | | 11.320 |
| | MEAN
S D
TOTAL OBS | 960 903 1033 1104 1185 1007 966 1036 966 1017 907 847 | | | | | | | | | | | 11911 |

END

DATE
FILMED

3 84

DT